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MICHELL'S SEEDS

1915

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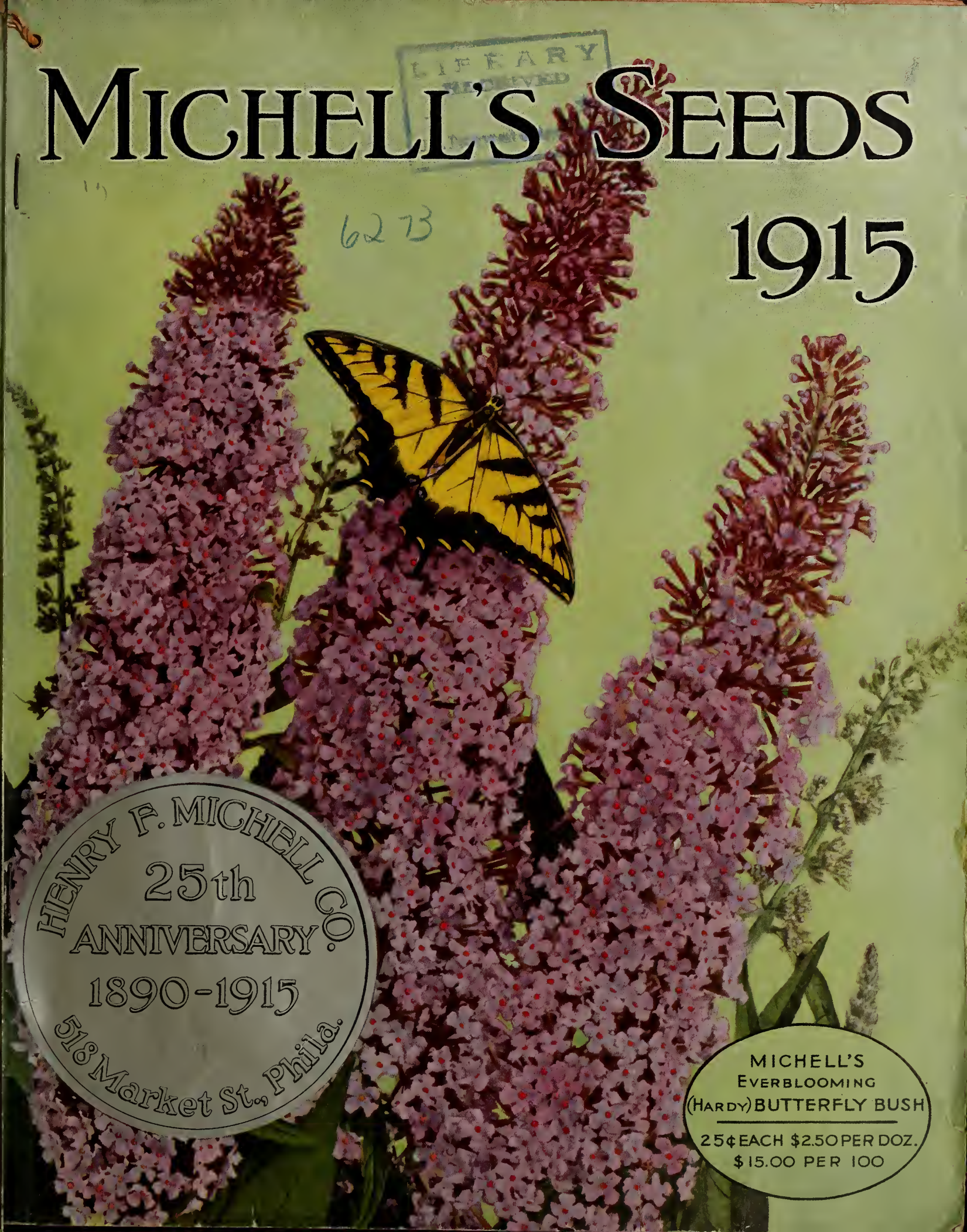

HENRY F. MICHELL CO.
25th
ANNIVERSARY
1890-1915
518 Market St., Phila.

MICHELL'S
EVERBLOOMING
(HARDY) BUTTERFLY BUSH

25¢ EACH $2.50 PER DOZ.
$15.00 PER 100

PLEASE READ! We aim to give our customers the best service possible. If we make an error, tell us about it, and we'll make it right to your satisfaction. If there is any information that you want in our line of business, write us (if you can't call), and we shall be glad to give it careful attention. Our various departments are in charge of experts, who are able to answer intelligently almost all inquiries pertaining to horticulture or agriculture. Always write inquiries on a sheet separate from your order; it means a quicker reply.

The Michell Service

ORDER BY TELEPHONE

We have a most modern system of over 50 phones, enabling our customers to receive instant attention. A special staff of experienced salespeople are reserved exclusively for the telephone service, so that our patrons may enjoy intelligent shopping from their homes.

SPECIAL LOCAL LONG DISTANCE TELEPHONE ATTENTION TO TELEPHONE ORDERS

TELEPHONE SERVICE

BELL SYSTEM—Lombard { 4220 4222 4224 / 4221 4223 4225

KEYSTONE SYSTEM—Main { 3600 / 3601

BUSINESS TERMS

We Especially Invite Charge Accounts. A charge account is more convenient than to remit for each order at the time it is sent us; you pay no more for your goods by reason of this accommodation. As to our responsibility, we refer you to **Dun's** or **Bradstreet's Mercantile Agency.**

When sending your first charge order, refer, preferably, to someone with whom you have a charge account. This saves many a delay. When sending us your first order accompanied by remittance, we prefer bank cashier's check or money order, unless cash is sent; this frequently saves delays.

☞ Goods can be sent C. O. D., with the exception of perishable items, which includes plants and cold-storage bulbs. These cannot be sent C. O. D. unless a partial remittance accompanies the order.

SPECIAL NOTE

We shall be very glad to procure for our customers any seeds or other goods that seedsmen of our city list which are not in our catalogue, and include them with your shipment. Such seeds or articles will be sent out in their original packages, and will be charged to you at exactly what they would cost you if purchased direct. *No extra charge for the accommodation.*

CORRESPONDENCE IN FOREIGN LANGUAGES

For the convenience of our customers who prefer their native language, we are pleased to announce that we are prepared to correspond in German and French. Hier wird Deutsch gesprochen. Ici on parle Francais.

SHIPPING INSTRUCTIONS

Always state clearly by what method you want goods forwarded, otherwise we will ship according to our best judgment.

PLEASE ORDER EARLY

We shall greatly appreciate it if our customers will adopt our suggestion to send us their orders for **seeds, plants and bulbs** during January and February. Shipment need not be made until you need the goods, when they will be ready.

WE PAY POSTAGE AND PACKING CHARGES

(Except as noted)

on all orders for vegetable and flower seeds, provided the order calls for packets, ounces, quarter-pounds and pounds (pints and quarts of beans, corn, cowpeas and mixed grass seeds, are **not included**), or such other seeds where mention is made in catalogue. If all seeds are wanted by mail, remit for postage at the following rates. (Consult your post office for weight limits.)

No charge is made for boxes, packing or bags, except for two-bushel seamless sacks, 22 cts. each, which are returnable for credit at the price charged.

Mailing weights of seeds usually ordered in measured quantity

Corn, 1 pint...1 lb.	Peas, 1 quart..2 lbs.	Lawn seed, 1 pint. ½ lb.
Corn, 1 quart..2 lbs.	Beans, 1 pint..1 lb.	Lawn seed, 1 quart. 1 lb.
Peas, 1 pint...1 lb.	Beans, 1 quart..2 lbs.	

See page 1, for further explicit particulars regarding parcel post.

Henry F. Michell Company endeavor to send out only the very best quality of Seeds, Bulbs and Plants, but cannot guarantee results or crops. If customers do not accept our goods on the above conditions, they can be returned to us within ten days, if in original packages, free of expense to us.

25 YEARS IN BUSINESS

On pages 4 to 13 inclusive, we illustrate and give some facts that, we believe, may prove interesting to our friends and customers. It will be our aim this year (our 25th Anniversary), to serve customers even better than before, if this is possible.

DELIVERY SERVICE

To points where baggage-master or package service is in operation, we can ship **all orders, which can be packed in one parcel or piece, not exceeding 50 pounds in weight,** free of transportation charges at prices quoted in this catalogue. Fertilizers in more than 25-lb. lots, or bulky packages, are not accepted by baggage-master service. Our wagon delivery also covers many sections of Philadelphia.

SPECIAL ATTENTION

We have greatly increased our facilities for handling plant orders at our Nursery, and can promise prospective buyers in this line extra-good value. We make a specialty of hardy flowers, which department is in charge of a man with many years of practical experience.

INVITATION

All customers and others interested in horticulture or agriculture are cordially invited to visit our plant establishment at Andalusia Station (N. Y. Division of P. R. R.) about 16 miles from Philadelphia. In the spring, summer and autumn we invariably have interesting displays of hardy flowers, etc. This invitation applies to our city establishment as well, at 518 Market Street, Philadelphia.

HENRY F. MICHELL CO.

518 MARKET STREET - PHILADELPHIA, PA.

HENRY F. MICHELL, *Pres.* FRED'K J. MICHELL, *Vice-Pres.*

Warehouses, 509-511-513 Ludlow Street, Philadelphia, Pa.

Greenhouses and Nurseries, Andalusia, Pa.

INDEX AND ORDER SHEET WILL BE FOUND FOLLOWING PAGE ONE

MICHELL'S

Seventh Annual Exhibit of Dahlias and Vegetables

$125.00 IN PRIZES

September 21st to 24th, inclusive, 1915 **Entry blanks will be mailed about September 1st, 1915**

These occasions have proven quite an attraction to the public at large, as well as to our customers. At these times we usually have the finest collections in the various classes of both flowers and vegetables; a sight well worth seeing. This year we will make it interesting again by offering prizes to be competed for as noted below.

PRIZES FOR DAHLIAS

	Color	Type	Number of Blooms Exhibited	1st Prize	2d Prize
Aristed Gurtler	Orange	Cactus	12	$1.50	$1.00
Comte de Nodler	Deep Purple	Collarette	12	1.50	1.00
Dragon D'Or	Yellow	Cactus	12	1.50	1.00
Gloire Lyonnaise	Golden	Decorative	12	1.50	1.00
Goldland	Yellow	Cactus	12	1.50	1.00
Geisha	Scarlet and Gold	Pæony	12	1.50	1.00
Le Grand Manitou	Variegated	Decorative	12	1.50	1.00
Mont Blanc	White	Decorative	12	1.50	1.00
Mrs. Henry R. Wirth	Scarlet	Cactus	12	1.50	1.00
Mrs. Roosevelt	Pink	Show	12	1.50	1.00
Nerissa	Mauve	Pompon	12	1.50	1.00
Phenomene	Straw	Decorative	12	1.50	1.00
Phœnix	Carmine	Cactus	12	1.50	1.00
Rene Cayeux	Red	Cactus	12	1.50	1.00
Rev. T. W. Jamison	Pink	Cactus	12	1.50	1.00
Rheinkoenig	White	Cactus	12	1.50	1.00
Rheingau	Scarlet	Cactus	12	1.50	1.00
Souvenir de Chabanne	Yellow and Scarlet	Collarette	12	1.50	1.00
Success	Yellow	Cactus	12	1.50	1.00
Thais	White and Mauve	Cactus	12	1.50	1.00
Tricolor	Yellow	Cactus	12	1.50	1.00
Wodan	Salmon	Cactus	12	1.50	1.00

Dahlia, Gloire Lyonnaise

For a complete list of Dahlias, including the above varieties, see pages 116 to 121 inclusive, of our 1915 catalog.

PRIZES FOR VEGETABLES

Class No.		Quantity to be Exhibited	1st Prize	2nd Prize
1	Improved Strain Golden Wax Beans	50 pods	$2.00	$1.00
2	"Evergreen" Pole Lima Beans	25 "	2.00	1.00
3	Beet, Improved Crimson Globe	6 beets	2.00	1.00
4	" Swiss Chard Lucullus	6 specimens	2.00	1.00
5	Cabbage, Danish Ball Head	3 heads	2.00	1.00
6	Carrot, Danver's	6 roots	2.00	1.00
7	Corn, Stowell's Evergreen	6 ears	2.00	1.00
8	Egg Plant, Black Beauty	2 specimens	2.00	1.00
9	Muskmelon, "Andalusia"	2 "	2.00	1.00
10	Okra, Perkin's	12 specimens	$2.00	$1.00
11	Onions, Largest collection		2.00	1.00
12	Pepper, Chinese Giant	6 "	2.00	1.00
13	Potato, "Beats Them All"	12 "	2.00	1.00
14	Radish, 6 vars, 12 to a bunch		2.00	1.00
15	Squash, 3 vars, 1 specimen each		2.00	1.00
16	Tomato, best and largest collection		2.00	1.00
17	Collection of 20 Varieties of Vegetables		5.00	2.50
18	For the largest collection of Pumpkins		3.00	2.00

For a complete list of Vegetable Seeds, see pages 14 to 48.

SPECIAL PRIZES

For the largest collection of Dahlias, we will award the "Michell Silver Medal." For the best vase of Mixed Dahlias, not less than 20 varieties: 1st prize $3.00; 2d prize $2.00.

SPECIAL PRIZE

For the largest variety and display of vegetables other than noted, we will award the "Michell Silver Medal."

ATTACH PACKERS MEMO. HERE

Henry F. Michell Company endeavor to send out only the very best quality of Seeds, Bulbs, and Plants, but cannot guarantee results or crops. If customers do not accept goods on the above conditions, they can be returned to us within ten days.

Order Filled by_____

Bulbs_____ Pltr'y. Splies_____

Plants_____ Insect_____

Veg. Seeds_____ Fertilizer_____

Plant Seeds_____ Tools_____

CATALOG ORDER SHEET FOR **MICHELL'S** SEEDS, BULBS, PLANTS, Etc.

HENRY F. MICHELL CO., 518 Market St., PHILADELPHIA.

Order No.

Date_____ 191__

Send to LADIES WILL PLEASE PREFIX MISS OR MRS. USE HUSBANDS INITIALS IF MARRIED

In care of SAY HERE IF TO BE SHIPPED IN CARE OF ANYONE, AND WHO

P. O. Street or R. F. D. Address

Shipping Address NAME OF TOWN TO BE SHIPPED TO IF DIFFERENT FROM P. O. ADDRESS

County

HOW SHALL WE SHIP? MARK "X" UNDER HEADING SELECTED	FREIGHT	EXPRESS	BOAT	PARCEL POST	BAGGAGE MASTER	LOCAL EXPRESS	State

Charge to

Superintendent's or Gardener's Name FOR PURPOSE OF NOTIFICATION OF SHIPMENT

Charge Address

AMOUNT ENCLOSED IF REMITTANCE ACCOMPANIES ORDER	STAMPS	M. O.	CHECK	CASH
	DON'T WRITE IN THIS SPACE			

FILLED BY	D'BLE CHE'KD BY	FORWARDED BY	PACKED BY
DATE	DATE	DATE	DATE

DON'T WRITE HERE

DO NOT FILL OR SHIP UNLESS MARKED PAID, OR CHARGE AND REGISTERED

WH.-TER.-MG.-NEW ACCT.

L.

SPEC. TERMS

CUSTOMERS:—PLEASE DON'T WRITE IN THESE COLUMNS X OR √, FOR ORDER CLERKS

X	√	QUANTITY	DESCRIPTION	PRICE	UNIT	TOTAL	X	√	QUANTITY	DESCRIPTION	PRICE	UNIT	TOTAL

115,000 PK. 35,000 BL. 12-14-HOE

MADE BY BAKER-VAWTER CO.→→

OVER

X	√	QUANTITY	DESCRIPTION	PRICE	UNIT	TOTAL

X	√	QUANTITY	DESCRIPTION	PRICE	UNIT	TOTAL

PARCEL POST INFORMATION

NOTE.—Limit of weight for delivery within the local, first and second zones, 50 pounds; to all other zones, 20 pounds.

Parcel post is an especially convenient method of shipping to the outlying or rural districts. In compiling this Catalog we have endeavored to give the shipping weights on most sundries, where their nature, size and weight permits their being sent by parcel post. Liquids and poisons are excluded from the mails. Seeds, as noted on the opposite page, are mailed free and in accordance with the schedule for those whose prices do not include prepayment free. Where customers desire goods sent by parcel post and remittance accompanies their orders, postage should be allowed in accordance with the schedules named below. Plants and bulbs in aggregate lots, in ½ dozen or less, require postage to the amount of 20% of their value. Over six and up to one dozen or more, where plants and bulbs are of a nature and weight, to permit parcel post shipment, allow for postage in the amount of 10% of their value.

Plants by Parcel Post is very unsatisfactory and uncertain, the service is full of delays and frequently when plants sent by this method arrive at their destination they are dead; we earnestly suggest to our customers the sending of plants by express (which rates are very reasonable now). We are then able to guarantee safe arrival, and invariably give larger and better plants.

TABLE OF PARCEL POST RATES

All parcels of seeds, bulbs and plants over 8 ozs., and sundries over 4 ozs. in weight come under these rates. **Any= less than 8 ozs. at the rate of 1c. for each 2 ozs.**, except sundries, which are at the rate of 1c. for each oz.

Local	1	2-3	4-5	6-7	8-9	10-11	12-13	14-15	16-17	18-19	20-21	22-23	24-25	26-27	28-29	30-31	32-33	34-35	36-37	38-39	40-41	42-43	44-45	46-47	48-49	50
Postage	5c	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30

Zone 1 and 2, 150 Miles, Lbs.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Postage	5c	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29

Zone 1 and 2, 150 Miles, Lbs.	26	27	28	39	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
Postage	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54

Weight	1 lb.	2 lbs.	3 lbs.	4 lbs.	5 lbs.	6 lbs.	7 lbs.	8 lbs.	9 lbs.	10 lbs.	11 lbs.	12 lbs.	13 lbs.	14 lbs.	15 lbs.	16 lbs.	17 lbs.	18 lbs.	19 lbs.	20 lbs.
Zone 3 300 Miles	6c	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44
Zone 4 600 Miles	7c	11	15	19	23	27	31	35	39	43	47	51	55	59	63	67	71	75	79	83
Zone 5 1000 Miles	8c	14	20	26	32	38	44	50	56	62	68	74	80	86	.92	98	1.04	1.10	1.16	1.22
Zone 6 1400 Miles	9c	17	25	33	41	49	57	65	73	81	89	97	1.05	1.13	1.21	1.29	1.37	1.45	1.53	1.61
Zone 7 1800 Miles	11c	21	31	41	51	61	71	81	91	1.01	1.11	1.21	1.31	1.41	1.51	1.61	1.71	1.81	1.91	2.01
Zone 8 Over 1800 Miles	12c	24	36	48	60	72	84	96	1.08	1.20	1.32	1.44	1.56	1.68	1.80	1.92	2.04	2.16	2.28	2.40

TRANSPORTATION ADVANTAGES POSSESSED BY PHILADELPHIA

Freight. Philadelphia's transportation facilities are unsurpassed by any other city in the U. S. The Pennsylvania R. R., Philadelphia & Reading R. R., Lehigh Valley R. R. and the B. & O. R. R. all have terminals in Philadelphia. These lines offer special facilities and quick transportation to any part of the U. S. Several of them touch with their own lines extreme North, South and West. Where they do not run direct, they have traffic agreements with connecting lines.

Boat Connections. The Clyde Line S. S. Co. and the Merchants & Miners S. S. Co. sail direct from Philadelphia for points as far south as Jacksonville, and the connections they have with the Mallory Line serve other extreme southern points. The Merchants & Miners Line also sails direct from Philadelphia to Boston, from where it serves points in New England. Boat transportation affords one of the quickest and most economical ways in existence today for shipping goods.

Express Service. Philadelphia is served by express service of the Adams, Wells-Fargo, and American Express Companies, which reach every part of the U. S. Goods consigned to any point on their lines can be forwarded without transfer. Express rates are extremely moderate, compared to what they were, and we recommend this service, where quick delivery is wanted and especially for the transportation of plants and other perishable goods. Seeds, Plants and Bulbs enjoy a special express rate, lower than what is demanded for carrying general merchandise.

Fac-simile of the Michell Medal, about ⅓ larger than actual size.

OF IMPORTANCE TO HORTICULTURAL AND AGRICULTURAL SOCIETIES

In 1911 we adopted the idea of the Michell Seed House Medals, for achievement in Horticulture and Agriculture. These are finished in three styles, Gold, Silver and Bronze. All organizations are invited to avail themselves of the opportunity of having their members compete for these medals in various exhibitions. The only conditions we exact in connection with furnishing these medals without cost, is to have the privilege of naming the style of medal to be awarded for the respective exhibits; that the secretary also send us the name or names and addresses of the winners, so that we may have their name engraved on the medal, which are sent by insured parcel post in velvet-lined boxes. Further, that our house be given credit for the offer of these medals in all advertising literature and programs which refer to the respective exhibitions. This offer is not confined to products that are produced from our seeds, plants or bulbs only, but the medal may be competed for, regardless of from whom you get your supplies in this line, so that selfish motive is far removed. We are glad to have committees on awards confer with us freely for any horticultural or agricultural proposition, for which they desire to have these medals offered.

Civic organizations and School Garden Associations are especially invited to take advantage of these medal awards we offer.

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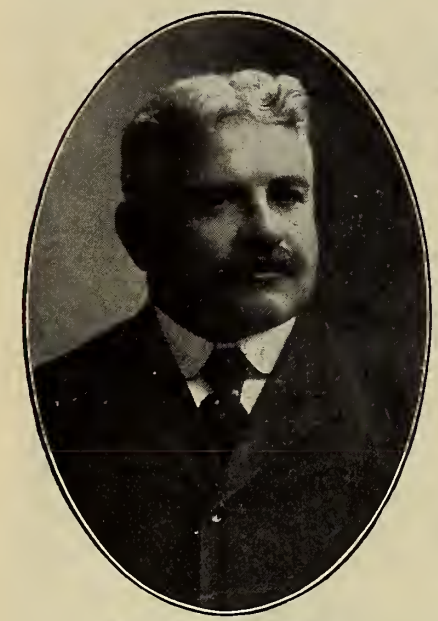
1890 TWENTY-FIVE YEARS IN BUSINESS 1915

OR A BRIEF HISTORY OF "THE HOUSE OF MICHELL"

By GEORGE C. WATSON (Contemporary)

On the Twenty-fifth Business Anniversary of my friend MICHELL, I regard it as somewhat of a privilege to be allowed to reflect on the past record of him and his business, and he has kindly consented that I do this on two pages in his 1915 Catalogue.

Coming from one of Philadelphia's foremost seed establishments, he took hold of an exceedingly small business, located at 1018 Market Street, in which building his business occupied a small basement, the half depth of the first floor and a dingy attic. His organization at that time consisted of four employees and himself. His first catalogue, at that time regarded as an extensive one, consisted of 48 pages.



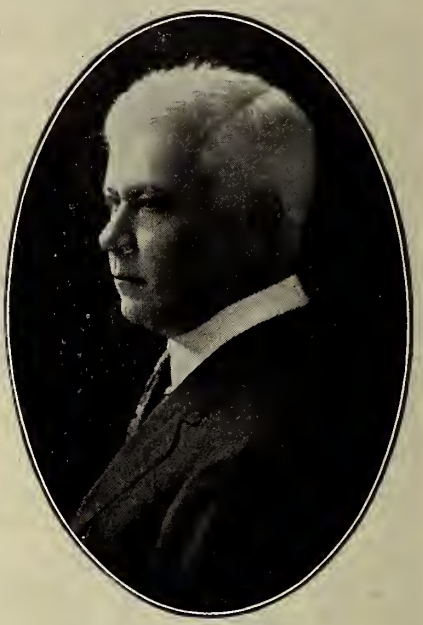
FREDERICK J. MICHELL,
Vice-President

He studied his new undertaking night and day from every angle and in a short while had laid out a plan and policy that has resulted to-day in one of the largest and most successful businesses in his line.

It was not long before he found it necessary to seek an assistant whom he could interest in his business and in this he was extremely fortunate in associating with himself his brother, FREDERICK J. MICHELL.

While HENRY F. kept house, his brother went after the outside business, and for a period of almost ten years did practically all the traveling for the firm, which to-day requires the services of 9 commercial travelers, who cover the United States from New England to the Gulf of Mexico and from the Atlantic Seaboard to the Mississippi River.

The business under the guiding hand of the founder prospered, and before long it was necessary to lease the balance of the first floor of the establishment and one-half of the second floor. Of course a few additional employees were needed, and by 1895 they numbered eleven.



HENRY F. MICHELL,
President

The business kept growing and in 1897 it was necessary to get possession of the third floor of the building, the front part of the second floor being leased out and possession of same could not be had. In that year the employees numbered 15.

Two years later the landlord decided to tear down one-half of the building, being the rear portion, in place of which he erected a modern brick structure, and that gave the business five floors in the rear and four floors in the front, the second still being occupied on a lease.

I well remember, even as late as 1897, the Stenographer was the Assistant Bookkeeper, the Cashier and she also had charge of the Paid Order Records. This is quite a contrast with requirements of to-day, when there are needed seven stenographers, three cashiers, eight bookkeepers, three bill clerks, five price clerks and two file clerks.

In 1900 it seemed as if some superhuman effort caused the business to grow by leaps and bounds and though I kept in very close touch with this wonderful establishment, it seemed that every time I would call, there would be a marked addition to the number of employees; where I at one time knew them all, now I am acquainted with a very few of his army, which numbers about 130.

In 1906 the business was incorporated and assumed the title of HENRY F. MICHELL CO., the incorporators being HENRY F. MICHELL, President and Secretary, FREDERICK J. MICHELL, Vice-President and Treasurer, from which it will be seen, that it to-day is still being directed by the founder and his brother in what would appear to be almost down to the finest detail.

The whole organization is carefully planned and each department, with a competent head to guide it, seems to work in perfect harmony with the other.

The establishment to-day is divided into the following distinct departments: Flower Seeds, Vegetable Seeds, Bulbs, Plants, Poultry Supplies, Garden Tools and Sundries, Credit, Financial, Correspondence, Sales, Purchasing, Advertising and General Administration.

In 1908, realizing that their lease on 1018 Market Street would expire two years later and looking back at the progress made a few years previous, it was decided not to re-lease, believing that it would not house for many years the rapidly growing business.

After a careful survey of Market Street properties between City Hall and the Delaware River, a building erected many years ago by Colonel James Bennett, known to most everyone in Philadelphia as "Tower Hall" was picked as a possible future home, and after giving the matter careful thought, the structure was purchased.

A BRIEF HISTORY OF "THE HOUSE OF MICHELL" (*Continuea*)

The Michell Building of 1915

Immediately it was planned to make it a modern building in every respect, and to that end approximately $40,000 were spent on the interior to make it practical and convenient, and after having seen many of the leading seed houses in the United States, I can truthfully say that it is probably the best arranged and most modern establishment of its kind.

The building is L shaped, 5 stories and basement, 23 feet wide in front, 47 feet wide in the rear and 180 feet deep. It is equipped with 3 electric elevators, a modern steam heating plant, lunch and dressing rooms.

For two years a branch store was operated in the new building, but on October 24th, 1910 the business was moved from 1018 Market to 518 Market. While the one building closed the previous evening, the following morning the business opened up in full swing in the new home and in a few days everything was running as smoothly as before. Hardly had the business been established 2 years in new quarters when it again became necessary to seek outside storage, and it just so happened at that time a 4-story warehouse and basement adjoining on Ludlow Street became vacant, and this was immediately leased for a period of years. In this building are stored the immense grass seed stocks of the firm, whose sales on this item alone for 1914 were just a little short of 600,000 lbs.

HENRY F. MICHELL is probably one of the keenest men I know for advertising his business; Realizing that a plant establishment was almost a necessary adjunct to his present equipment, during 1910 purchased a tract of fertile land comprising 18 acres, at Andalusia, Bucks Co., Pa., parallel with the main line of the N.Y. division of the Penna. R. R. Here is produced annually their main stock of Gladiolus, Cannas, Dahlias, Roses, some choice strains of Flower Seeds and hundreds of thousands of Hardy Perennial Plants, and are also conducted thousands of trials of seeds, plants and bulbs. In the last year a lease was taken on an adjoining tract of 21 acres, so that under cultivation they have a total of 39 acres. The equipment at the Nurseries consists of 12 modern greenhouses, some 1500 sash frames, 2 artesian wells for water supply, 2 packing and storage buildings, each 28 x 96 feet, 2 stories high, 2 modern dwellings, an up-to-date barn and stable with the necessary live stock. In the busy season the nursery employs about 40 men and in normal times 25. The grounds from early spring until frost time are a blaze of color and, going to and from New York, it is no rare thing to see the passengers craning their necks to behold the beauties of nature. I cite this to point out that MICHELL had in mind to make his nursery and plant establishment to advertise itself, in locating it as he did.

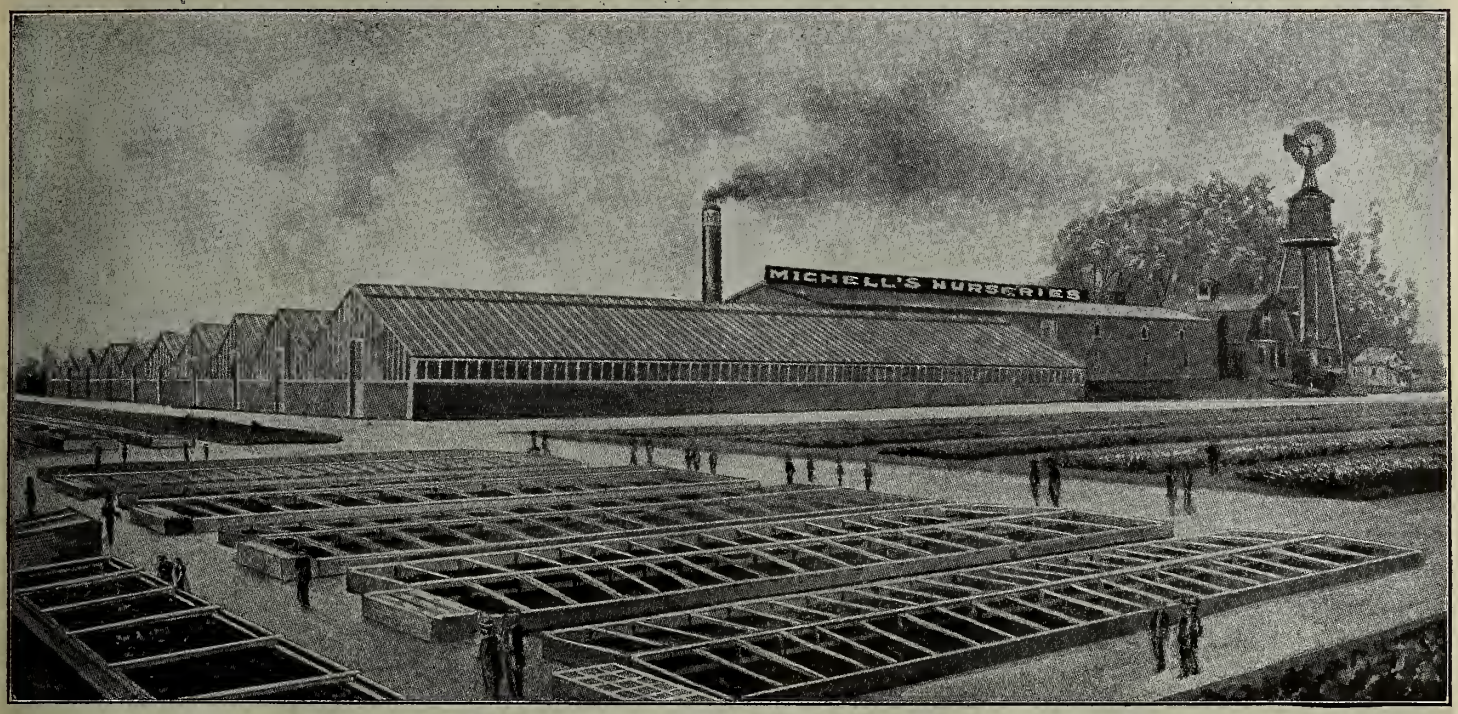
The Michell Building 1890 to 1899

While both MICHELLS are modest men and do not care for self-aggrandizement, I insisted on the publishing in this catalogue, their photographs, because they are good men to know. While it is impossible for distant customers to become personally acquainted, I know from experience that one transaction with the house will impress upon you its character and principle.

On pages 6 to 13 will be found a series of views, illustrating sections of the Michell business. These have been made from actual photographs. They speak for themselves.

George B. Watson

A part of the Michell Staff on their Annual Outing at our Nurseries, August 8th, 1914. The children are the coming generation of seedsmen (maybe). Many of our employees were on their annual vacation at this season, so all are not shown here.



Partial View of Michell's Nurseries, Greenhouses and Trial Grounds, Andalusia, Bucks Co., Pa.

The picture shows the greenhouses, a small section of frames and hotbeds. Our equipment here, besides a valuable tract of 39 acres of highly cultivated land, consists of over 1500 hotbeds and frames, 12 modern greenhouses, packing sheds, superintendent's residence, office, etc. The latter are not shown on the photo here. At this place we annually produce and dispose of hundreds of thousands of vegetable plants, hardy perennials in hundreds of varieties, pot grown roses, cannas, etc., etc. Here also is our seed testing carried on. In summer many interesting displays of flowers may be seen and visitors are welcome every day but the Sabbath. We operate, between our nursery and our city establishment, an automobile service, which brings orders for plants, etc., which are filled at the former place, direct to our shipping department, frequently making as many as three trips a day each way, averaging close to 100 miles per day. By no other means but with a motor car could this be accomplished. Persons desiring to visit our Nurseries from Philadelphia, can adopt any of the following routes: Train, Broad St. Station, Pennsylvania R. R., time, 45 minutes; trolley, Fifth St. line, via Frankford, direct to the grounds, time, 90 minutes; automobile, Broad St. to York Road, to Oak Lane, east to Cheltenham, over Cottman St. to Frankford Ave., turn to left and continue to Andalusia. Our grounds being located at Bristol Pike and Andalusia Ave. Automobile running time 55 minutes. As this Catalog went to press, we were adding to our nursery plant a 2-story brick packing and storage house, 28 feet wide, 96 feet long.

Our transportation service consists of one double team, 4 single teams, one 3000 lb. capacity "White" automobile, one 3000 lb. capacity Autocar, and one 2000 lb. Autocar.

PARTIAL VIEW OF OUR
SALESROOMS
Considered by Outsiders to
be Finest Equipped Seed
Store in United States
TARGET
BRAND
INSECTICIDES
PENNSYLVANIA
LAWN
MOWERS
FARM SEEDS
MICHELL'S
LAWN GRASS SEED

CORRESPONDENCE AND PURCHASING DEPT.
(1st floor annex)
A rule exists here to answer all inquiries etc, the day they are rec'd.

DEPT OF ACCOUNTS
(2nd floor annex)
Here one will find installed the most up to date system of accurate book-keeping. All orders are received here and our vast mail is handled with utmost rapidity

FLOWER
SEED DEPT. (2nd floor front)
Our sales in this department are increasing tremendously a testimony to the excellent quality of
MICHELL'S FLOWER
SEEDS
MICHELL'S
FRESH TESTED
SEEDS
PHILA.
VEGETABLE
SEED DEPT. (2nd floor rear)
We specialize in the higher grades realizing that it pays to Plant the best

POULTRY
SUPPLIES DEPT.
(3rd. Floor Annex)
A part of our
business which has
developed to
wonderful proportions
in the
last few
Years

TOOL
AND SUNDRIES DEPT.
(3rd. Floor)
This department embraces
an endless variety of goods
used by the gardener, farmer
and florist. It is conceded
to have the most complete
collection of sundries
offered by any Seed House

GRASS SEED DEPT.
(4th FLOOR)
From here emanates the famous "MICHELL'S EVERGREEN GRASS SEED" of which our annual sales are over 100,000 pounds. This floor has a capacity of 15 carloads and very frequently that quantity may be found in store here

STORAGE ROOM
(4th FLOOR ANNEX)
Surplus Stock
of Garden Seed

BULB STORAGE DEPT.
(Basement)
Where over 6,000,000
bulbs were handled in 1914

FERTILIZER AND HEAVY MDSE. STORAGE
(5th Floor)
This Floor is used for storing enough of our heavy goods for each days requirements the stocks being replenished daily as required.

THE HARVESTER PEA

As an introduction of probably the pioneer pea grower of the United States, this variety should meet with great demand. We tested it out at our trial grounds last year, and although the season was unfavorable, it did remarkably well, yielding a heavy crop of large pods, filled with luscious peas. In quantity of production it compares favorably with the extra early kinds and rivals such sorts as Gradus and Laxton for flavor and eating qualities. It grows about 18 inches high, and follows the extra early varieties. Per pkt., 10c.; 25c. per pt. (postpaid, 30c.); 50c. per qt. (postpaid, 60c.); $1.75 for 4 qts.; per peck, $3.25.

MICHELL'S EXTRA EARLY "CRACKER JACK" TOMATO

For several seasons our customers have been getting splendid satisfaction from this variety. It is one of the earliest Tomatoes grown and a continuous bearer until frost, the latter being one of its chief characteristics, most early tomatoes having finished by the middle of September. The fruit is medium sized, brilliant red, very smooth and solid, with remarkably few seeds. Grows principally in clusters of from 5 to 10 tomatoes, which are invariably uniform in shape. Per pkt., 15c.; 25c. per 2 pkts.; per ½ oz., 30c.; 60c. per oz.

MICHELL'S EVERGREEN POLE LIMA BEANS

(See Illustration)

A variety which had its origin in Philadelphia. This remarkable pole lima equals the earliest for earliness, is far more productive than any other and retains at all times a beautiful green color. Pods contain on the average 5 to 6 beans. They hang in clusters, 6 to 8 in a bunch, which makes them very easy to gather. All who grow limas should have this valuable variety in the home or market garden. Pkt., 15c.; 35c. per pt.; qt., 60c.; $2.00 per 4 qts.; pk., $3.75.

Michell's Evergreen Pole Lima—the vines are loaded like this

"SURE CROP" STRINGLESS WAX BEANS

A variety which seems to always produce a good yield, regardless of conditions. The pods are long, slender and very brittle and we would consider it among the best, if not the best Wax Bean on the market to-day. The pods are rich golden yellow, produced in abundance, are practically rust-proof. The seed may be planted very early, earlier than most other Wax Beans. The originator, a man who has produced more good varieties of beans than any other, in late years has been improving this strain, until he thinks it good enough now for any one to plant. The crop is rather limited, so that early ordering is advisable. Per pkt., 10c.; 30c. per pt.; per qt., 50c.; $1.75 per 4 qts.; per peck, $3.25.

Michell's Cracker Jack Tomatoes

NEW HEAD LETTUCE "DAVEY'S IMPROVED STRAIN OF BIG BOSTON"

This seed is produced for us in a suburb of Paris, France, by one of the leading market gardeners there, where it created a heavy demand for this variety. The strain is far advanced of the usually good American "Big Boston" type of Lettuce. The outer leaves of the head are large and somewhat loosely set around a solid, buttery, well flavored heart or interior. We sold this variety extensively to some of our market gardener customers and many of them booked their order in advance for this season's supply, in event of a crop failure. It is ideal for hotbed culture in the early spring and autumn, while for summer growing it is one of the best. Per pkt., 10c.; 20c. per ½ oz.; oz., 40c.; $1.25 per ¼ lb.

"A NEW CANTALOUPE" "ANDALUSIA"

One of our private gardener customers has been working on this melon for quite some time, endeavoring to bring it to a high state of perfection. We have been observing it for a number of years, and last year we tried it out thoroughly. In eating qualities, we feel safe in saying, that no other variety surpasses it; its flesh is deep golden orange. The seed cavity is very small, almost meeting on the inside. It ripens evenly right up to the rind. It is highly flavored and reminds one instantly of the wonderful Canadian melons, which are noted for their quality. The outer skin is slightly ribbed, of a rough grayish appearance. The melons are large, making at least four portions. We want everyone, who grows cantaloupes, to try this novelty, as we feel sure it will please them. In concluding, we want to say, the variety received its odd name through the desire of the originator to call it after the name of the suburb in which our nurseries are located. 25c. per pkt.; 3 pkts. for 65c.

New Cantaloupe "Andalusia"

Prices of seed on this page are postpaid

(ha)

MICHELL'S "DISTINCTIVE" VEGETABLE SEEDS

ASPARAGUS (Sow 5 lbs. per acre, or 1 oz. to a 50 ft. row.)

This can be grown from seeds or roots, the latter preferred. Seed should be sown thinly in early spring in rows 1 ft. apart. Thin out the weakest plants so the remainder will be 4 inches apart. When 1 year old transplant in the permanent bed, from where it can be cut three years later. "Michell's Leaflet on Asparagus Culture" gives full information and is mailed free, or included in orders if asked for.

Michell's Giant Argenteuil (*Special Strain*). Of all the varieties that we have extensively tried, this has been found to excel, both from a point of productiveness, tenderness, earliness and resistance to diseases. In size it is a giant, a marketable shoot or spear is often two inches in diameter and 12 inches long, of which every part when boiled is tender and delicious. It is the one variety that succeeds well in all soils and climates. Color, pure white, with a greenish purple tip. Pkt. 10c., 20c. per oz., ¼ lb. 40c., $1.25 per lb.

	Per 100	Per 500	Per 1000
Roots, 2-year-old	$1.00	$4.00	$7.50
" 3 "	1.75	7.50	15.00

Barr's Mammoth. A variety producing heavy, stout spears of delicious flavor; the growth remains green when cooked; a very popular sort. Pkt. 5c., 10c. per oz., ¼ lb. 25c., 80c. per lb.

	Per 100	Per 500	Per 1000
Roots, 2-year-old	$0.75	$3.00	$5.50
" 3 "	1.50	6.50	12.50

Columbian Mammoth White. Large, handsome type producing pure white spears; a very tender variety, suitable for canning. Pkt. 5c., 10c. oz., ¼ lb. 25c., 85c. per lb.

	Per 100	Per 500	Per 1000
Roots, 2-year-old	$0.75	$3.00	$5.50
" 3 "	1.50	6.50	12.50

Conover's Colossal. A large, prolific sort similar to Barr's Mammoth, but the stalks are a trifle larger and lighter in color. Pkt. 5c., 10c. oz., ¼ lb. 20c., 50c. per lb.

	Per 100	Per 500	Per 1000
Roots, 2-year-old	$0.75	$3.00	$5.50
" 3 "	1.50	6.50	12.50

Palmetto or Eclipse. One of the earliest, producing uniform stalks, prolific and finely flavored; color, green. Pkt. 5c., 10c. oz., ¼ lb. 20c., 50c. lb.

	Per 100	Per 500	Per 1000
Roots, 2-year-old	$0.75	$3.00	$5.50
" 3 "	1.50	6.50	12.50

ASPARAGUS ROOTS

Procurable from October 15th to May 15th.

Two and three-year-old, see prices under respective varieties above.

Giant Forcing Asparagus Roots. (Extra large clumps.) $2.00 per doz., per 25 $3.50, 100, $12.00.

Michell's Giant Argenteuil Asparagus

For Asparagus Growing Accessories see opposite page

Green Globe Artichoke

ARTICHOKE
(*French*)

1 Ounce will produce 500 plants.

Sow seeds in January in greenhouse or in hotbeds in March or outdoors in May, if sown outdoors transplant when large enough in rows 3 feet apart, 2 feet apart in the row. Cultivate when growing, freely, and protect the plants in winter with leaves or straw.

Green Globe. Pkt. 5c., 15c. ½ oz., 1 oz. 30c., $1.00 per ¼ lb.
Ask for Special Leaflet No. 101 on Artichoke Culture.

ARTICHOKE PLANTS (Green Globe)
(*Ready in April*)

We grow a large stock of these, for those who do not care to bother with them from seed, thus they can be assured of an early crop. The cultural and cooking method is fully explained in Leaflet No. 101. $1.50 per doz., 25 for $2.50, $10.00 per 100 (by express only).

ARTICHOKE ROOTS (Jerusalem)
(*Ready in April*)

Sometimes called the American Artichoke, used for table and stock feeding. Cut the tubers to single eyes and plant them like potatoes, 3 to 4 feet apart each way, placing three or four tubers in a hill. Leave the tubers in the ground and dig them as wanted; they are hardy. Cultural and cooking method is fully explained in Leaflet No. 101. 15c. qt.; peck, $1.00; $3.00 per bu.

ANISE HERB (Annual, not Hardy)

Frequently used for flavoring and medicinal purposes. Cultural directions for this and other herbs is given in Leaflet No. 113. Pkt. 5c., 10c. oz., ¼ lb. 35c.

BALM HERB (Annual, not Hardy)

Leaves are used for making wine, tea, etc. As a food for bees the flowers are invaluable. Cultural directions are given in Leaflet No. 113. Pkt. 5c. and 10c., 30c. per oz.

BORAGE HERB (Annual, not Hardy)

The leaves are used principally for mixing with salads and for flavoring, bees also thrive on the bloom, which is rich in honey. Culture is given in Leaflet No. 101. Pkt. 5c., 10c. per oz., ¼ lb. 35c.

BROCCOLI One Ounce will Produce 3000 Plants

A vegetable much resembling cauliflower and often grown where the latter does not thrive. The cultural method is much like that for cauliflower planted outdoors, which is given in Leaflet No. 108.

White Cape. Pkt. 5c. and 10c., 15c. ½ oz., oz. 30c., $1.00 ¼ lb.

Brussels Sprouts

BRUSSELS SPROUTS

One Ounce will produce 3000 Plants

Sow seed about May 15th; transplant when about 4 ins. high in rows 3 feet apart, 2 feet in the row. When heads begin to crowd, the lower leaves should be broken from the stem of the plant to give them plenty of room. They are best for cooking after they have had a slight frost. For Complete cultural method ask for Leaflet No. 105.

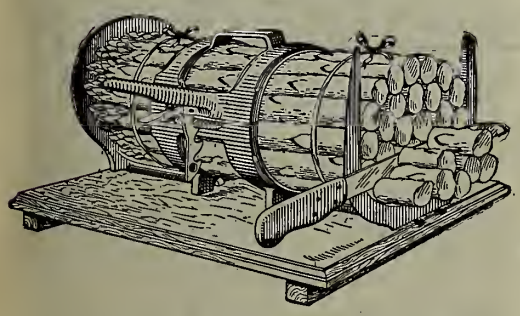
Matchless Improved. Pkt. 5c. and 10c., 15c. per ½ oz., oz. 25c., 75c. per ¼ lb., lb. $2.50.

BRUSSELS SPROUTS PLANTS
(*Ready in July*)

25 for 20c., 50c. per 100 (by mail 65c.), per 1000 $3.50.

ACCESSORIES FOR ASPARAGUS CULTURE

It is well to have the necessary equipment when growing this luscious article, whether used for home consumption or market, it is more valuable when properly cut, bunched and tied.

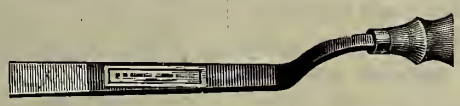


ASPARAGUS BUNCHERS

Even where one has a limited amount of asparagus to market it pays to use a buncher. It is quickly tied and looks uniform. With Knife Guard, $1.75. P. P. Wt., 7 lbs.

BOOKS ON ASPARAGUS

By **Hexamer,** 50c. per copy.
By **Michell,** 10c. per copy.
The latter book included free with all seed orders where asked for.



ASPARAGUS KNIVES

Bateman's (see cut) $0.35
American. V-shaped blade ..... .45

RAFFEA (Tying Grass)

The ideal material for tying asparagus bunches in a neat and economical manner.

	¼ lb.	Lb.	5 lb.
Natural	$0.08	$0.30	$1.25
Colored in various shades	.20	65.	2.75

RAFFEATAPE

A linen and paper composition, in bolts of 250 yards; color, nile green. Per bolt 75c., 6 for $4.25.

JUTE TWINES

Very soft and pliable, 2-, 3- and 5-ply. 10c. per large ball; lb., 20c.

ASPARAGUS TAPE

Fast red, water-proof, in 1000-yd spools, $2.25 each.

ASPARAGUS SALT (Agricultural)

Applied in the spring for destroying weeds; 600 to 800 lbs. per acre. $1.00 per 100 lbs., 200 lbs. $1.50, $10.00 per ton.

ASPARAGUS FERTILIZER

Compounded after a formula recommended by the Department of Agriculture; apply 600 lbs. per acre. $2.25 per 100 lbs., 200 lbs. $4.25, $37.50 per ton.

Cultural Leaflets, as noted, are distributed Free. Ask for them by number

Getting Michell's (Improved Strain) Stringless Green Pod Beans ready for Market

DWARF GARDEN BEANS (Green Podded)

Plant 1½ Bushels per acre. If desired by mail add 8c. per Pint, 15c. per qt. for postage

Sow in rows 2 feet apart, using about 1 quart to every 100 feet of drill, keep the soil well stirred between the rows. Plant when all danger of frost is past in succession once every week until 8 weeks before frost. Cultural Leaflet No. 103 is very explicit on bean growing; ask for a free copy.

ALL VARIETIES 10c. PER LARGE PKT. POSTPAID

If beans are wanted by parcel post, allow for mailing. 1 pint weighs 1 lb., 1 qt. weighs 2 lbs.

Michell's Improved Strain of Stringless Green Pod. This strain is without doubt the most tender string bean in cultivation, even when the pod has become quite old it still retains its stringless qualities; that, however, is not the only thing in its favor, it recommends itself through its extreme earliness, prolific and continuous bearing qualities and superior flavor. This variety can be planted successively through the entire season; its handsome round pods often seven inches long delight the eye of any housewife; they fairly melt in your mouth. The leading sort for the home or market garden. Pt. 25c., 40c. qt., 4 qts. $1.50, $2.50 per peck, bushel $10.00.

Stringless Green Pod (*Usual Strain*). While this is a good type, the Improved Strain offered above is worth the difference. Pt. 20c., 35c. qt., 4 qts. $1.25, $2.25 per peck, $9.00 bushel.

Michell's Improved Red Valentine. A carefully selected stock of this well-known variety; its popularity is due to the fact that it is one of the earliest sorts, maturing often in 45 to 50 days. It can withstand early slight frosts without injury; its foliage is immense, it always produces a heavy crop of long round deep colored pods, which if wanted in a tender stage should be picked while young, in this condition they are absolutely stringless. On account of its prolific habit, and large pod, it is desirable for market purposes, while for the home garden few can equal it. Pt. 20c., 35c. qt., 4 qts. $1.25, $2.00 per peck, bushel $8.00.

Red Valentine (*Usual Strain*). This is the old-fashioned favorite, from which the above is a distinct selection. 15c. pt., qt. 30c., $1.10 per 4 qts., peck $1.75, $7.00 per bushel.

FARMOGERM (Nitrogen Gathering Bacteria)

This wonderful preparation will revolutionize your bean crop, both in quantity and length of bearing time. Use according to directions and always mention the crop for which it is wanted. 50c. bottle (postpaid). (See page 57 for particulars.)

All Cultural directions as given apply to the latitude of Philadelphia.

Note.—Beans have not been so scarce for years, and customers are advised to order their requirements in this line as early as possible, as the supply will be very short.

Large Packets of Beans, all varieties, 10c. postpaid

Best of All. A highly desirable sort for private garden use, the pods are long, set early and yield in great abundance; very tender. Per pt., 15c.; 30c. per qt.; 4 qts., $1.00; $1.90 per peck; per bu., $7.25.

Black Valentine. Pods very long and slender, round and well flavored. Per pt., 20c.; 35c. per qt.; 4 qts., $1.25; $2.25 per peck; bu., $8.50.

Early Long Yellow Six Weeks. The word yellow refers to the seed only, pod flat, very early, tender and long. Per pt., 15c.; 30c. per qt.; 4 qts., $1.00; $1.75 per peck; per bu., $7.00.

Early Mohawk. This variety can be planted before any other sort, being quite hardy, large cropper, flat pod. Per pt., 15c.; 30c. per qt.; 4 qts., $1.00; $1.90 per peck; per bu., $7.25.

Extra Early Refugee. An extremely early, fleshy, round-pod variety. 20c. per pt.; per qt., 35c.; $1.25 per 4 qts.; per peck, $2.25; $8.25 per bu.

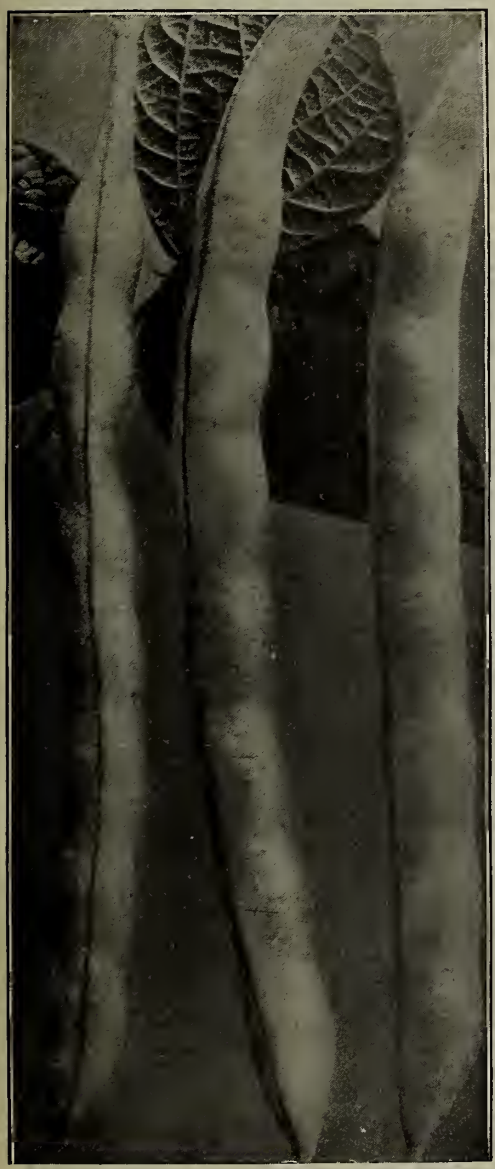
Full Measure. Produces a round stringless pod of fine quality and flavor; it is very prolific and will please the home gardener. 20c. pt.; qt., 35c.; 4 qts., $1.30; peck, $2.25; $8.75 bu.

Mammoth Stringless or Giant Valentine. An improvement on Burpee's Stringless Green Pod and, while not so prolific, makes a much larger pod. Per pt., 20c.; 35c. per qt.; 4 qts., $1.25; $2.25 per peck; bu., $8.50.

Triumph of the Frames. For forcing this is especially desirable, the pods are round, thin and tender but very long. It is also suitable for outdoor planting. Per pt., 30c.; 60c. per qt.; 4 qts., $1.75; $3.25 per peck.

Longfellow. A splendid green string bean, with extra long well-formed pods; tender, early and delicious; very prolific and profitable to grow. 15c. pt.; qt., 30c.; $1.10 per 4 qts.; peck, $2.00; $7.75 per bu.

Sion House. A round-podded sort, suited to forcing. A great producer, excellent also for sowing outdoors. 30c. per pt.; per qt., 60c.; $2.00 per 4 qts.; peck, $3.50.



Michell's (Improved) Golden Wax Bean

DWARF BEANS FOR SHELLING (Winter Use)

If there is any vacant space in the garden it always pays to plant some of these varieties. For soups, baked beans, etc., they are grand. They can be used in the green state like other sorts, but for the first-named purpose they are best.

Boston Navy or Pea. For soup and baking purposes. Per pt., 15c.; 30c. per qt.; 4 qts., $1.00; $1.75 per peck; bu., $6.75.

Broad Windsor. An English bean used in the dry state shelled. Plant in rows about 3 feet apart, about 8 inches apart in the row. 20c. per pt.; per qt., 40c.; $1.25 per 4 qts.; $2.25 per peck.

White Kidney or Royal Dwarf. Per pt., 15c.; 30c. per qt.; 4 qts., $1.00; $1.75 per peck; per bu., $6.50.

White Marrowfat. 15c. per pt.; per qt., 30c.; $1.00 for 4 qts.; per peck, $1.75; $6.75 per bu.

Dwarf Horticultural. One of the best shell beans grown, the pods are colored red and green, the bean is large, round and speckled. Pt., 20c.; qt., 35c.; $1.25 per 4 qts.; peck, $2.25; $8.50 per bu.

WAX OR YELLOW PODDED BEANS

These should not be planted quite as early as the green varieties, they being more tender are liable to rot.

Michell's Improved Strain Dwarf Golden Wax (Rust Proof)

This type far surpasses the old favorite in many points; the plants are very vigorous and thereby rust-resisting. Pods are formed quite early and in great profusion. The handsome masses of golden beans are very uniform, being broad, thick and almost solid flesh, exceedingly tender and brittle, with no coarse or fibrous growth during any period of development. 25c. pt.; qt., 45c.; $1.75 per 4 qts.; peck, $3.00; $11.00 per bu.

Dwarf Golden Wax Rust Proof (Usual Strain). Pt., 20c.; 40c. per qt.; 4 qts., $1.45; $2.50 per peck; bu., $9.00.

Black or German Wax (Pencil Pod Strain). A round-podded, hardy sort, entirely stringless, very early and desirable. Per pt., 20c.; 35c. per qt.; 4 qts., $1.25; $2.25 per peck; per bu., $8.50.

Stringless White Wax. A very hardy variety for early planting, makes a beautiful pod almost pure white. Pt., 20c.; qt., 40c.; 4 qts., $1.40; $2.50 peck; $9.25 bu.

Currie's Rust-Proof Wax. An improved type; a tremendous yielder with long flat pods. Per pt., 20c.; 35c. qt.; 4 qts., $1.30; $2.25 peck; bu., $8.00.

Sure Crop Stringless Wax. A sure producer, regardless of conditions. Rich golden yellow pods, practically rust-proof. Very early and desirable. Pt., 30c.; 50c. qt.; 4 qts., $1.75; $3.25 per peck.

Round-Podded Kidney Wax. A vigorous grower, producing very fleshy pods, entirely stringless and rust-proof. 20c. pt.; 40c. qt.; 4 qts., $1.40; $2.50 per peck; bu., $9.00.

Valentine Wax. The earliest wax bean in cultivation; pods round, rust-proof and very fleshy; entirely stringless. Per pt., 20c.; 40c. qt.; 4 qts., $1.40; $2.50 per peck; per bu., $9.00.

Wardwell's Kidney Wax. A favorite market bean; pod flat, very long and productive. Per pt., 20c.; 40c. qt.; 4 qts., $1.45; $2.50 peck; bu., $9.75.

Davis' White Wax. .A long slender-podded sort, almost white, very fine. Pt., 20c.; 35c. per qt.; 4 qts., $1.25; $2.25 per peck; per bu., $8.75.

FARMOGERM. A high grade nitrogen bacteria used in growing garden beans, produces wonderful results. 50c. per trial bottle. See page 57 for particulars.

Note—If Beans are wanted by mail, allow for postage. 1 pt. weighs 1 lb.; 1 qt. weighs 2 lbs.

Michell's Evergreen Pole Limas

LIMA BEANS

One quart will plant 100 hills; 12 to 15 qts. per acre.

Plant when all danger of frost or cold nights are over, don't be afraid to put a liberal number in a hill, as this is cheaper than replanting; often one bean germinates where another won't even in the same hill.

POLE VARIETIES

Michell's Evergreen (see illustration). A variety which had its origin in Philadelphia. This remarkable pole lima equals the earliest for earliness, is far more productive than any other and retains at all times a beautiful green color. Pods contain on the average 5 to 6 beans. The pods hang in clusters, 6 to 8 in a bunch, which makes them very easy to gather. All who grow limas should have this valuable variety in the home or market garden. Pkt. 15c., 35c. per pt., qt. 60c., $2.00 per 4 qts., pk. $3.75.

Carpenteria. A variety that retains its green color in all stages of growth, even after being dried, with this it combines wonderful prolificness, flavor and size, a good early variety, 3 to 4 beans in a pod. Pt., 20c.; 35c. per qt.; 4 qts., $1.25; $2.25 per peck; bushel, $8.00.

POLE VARIETIES—*Continued*

Dreer's Improved Potato or Challenger. Early and more prolific than the Large Lima; beans small, extra quality. 20c. per pt.; per qt., 35c.; $1.15 per 4 qts.; peck, $2.15; $8.00 per bu.

Extra Early Jersey. An excellent variety, prolific and tender. 20c. per pt., qt. 35c., $1.10 for 4 qts., peck $2.00, $8.00 per bu.

Ford's Mammoth Podded. Pods six to nine inches long; excellent for the home garden, heavy producer. 20c. per pt., qt. 35c., $1.10 per 4 qts., peck $2.00, $8.00 per bu.

King of the Garden. Vigorous grower, producing a continuous bloom and fruitage to extreme end of season. Pods are of enormous size, many specimens measuring from five to eight inches, producing as high as six beans to the pod, perfectly formed and of superior quality. 15c. per pt., qt. 30c., $1.10 per 4 qts., peck $2.00, $8.00 per bu.

Michell's Selected Large Jersey. Has proven exceedingly satisfactory; beans are very tender and luscious. An extra selection of seed stock; large fine beans, all hand picked. 20c. per pt.; qt., 40c.; $1.25 per 4 qts.; peck, $2.25; $9.00 per bu.

Shotwell's Improved. An extra early sort similar to Dreer's Improved but much more desirable. It is sweet and tender, being one of the first Limas in the market. 20c. pt., qt. 35c., $1.25 per 4 qts., peck $2.00, $8.00 bu.

BUSH LIMAS

Bush Limas should be planted for early crops, as they come into bearing much sooner, but are not so prolific as the pole varieties.

Fordhook. This is the best type of bush lima in cultivation, it has a distinct upright vigorous growth; the pods, which are borne in clusters well above the ground, frequently contain as many as 4 thick luscious beans. It matures very early and continues in bearing till frost. Pt., 30c.; qt., 55c.; 4 qts., $2.00; $3.50 peck; bu., $13.00.

Burpee's Improved Bush Lima. This is so far ahead of the old strain of Burpee's Bush Lima, that it should be used instead; the bean is thicker, sweeter and earlier, being also more prolific. Pt., 25c.; qt., 50c.; 4 qts., $1.80; $3.25 per peck; bu., $12.00.

Burpee's (*Old Variety*). A true, large-seeded lima in dwarf form. 20c. per pt.; per qt., 35c.; $1.25 per 4 qts.; peck, $2.00; $8.00 per bu.

Henderson's. The earliest sort, beans are flat, very small and tender, of excellent flavor. 20c. per pt.; per qt., 30c.; $1.00 for 4 qts.; peck, $1.90; $7.60 per bu.

Special Note.—On page 36 is listed a complete set of cultural leaflets as applied to Vegetable Growing, these are free with orders if asked for or otherwise. Everyone is invited to ask for these, and we will cheerfully supply them.

POLE STRING BEANS (NOT LIMA)

Plant in hills four feet apart, four or five beans in a hill, eyes downward, afterward thin to three plants in a hill.

Early Golden Cluster Wax. Pods very tender, six to eight inches long, of large size, borne profusely in large clusters of three to six beans; beautiful golden yellow color, which they retain after being picked. Pt. 20c., 40c. per qt., 4 qts. $1.50, $2.50 per peck, bu. $10.00.

Horticultural or Speckled Cranberry. Speckled red and green pod. Used extensively for shelling, very prolific, and a late cropper, long pods usually containing from 9 to 12 beans. Pt. 15c., 30c. per qt., 4 qts. $1.10, $2.00 per peck, bu. $8.00.

Kentucky Wonder (Old Homestead). (Green Pod.) One of the best green pole beans, producing pods in clusters, ready for use about 85 days from time of planting; very tender pods, almost stringless, often 8 inches long. Pt. 20c., 35c. per qt., 4 qts. $1.10, $2.00 per peck, bu. $8.00.

Lazy Wife's. (Green Pod.) Excellent, heavy cropper. Pt. 20c., 35c. per qt., 4 qts. $1.25, $2.25 per peck, bu. $9.00.

Scarlet Runner. (Green Pod.) Sometimes used for its showy scarlet flowers, although it is fine for cooking when shelled. Pt., 20c.; 40c. per qt.; 4 qts., $1.50; $2.50 per peck; bu., $9.50.

CEDAR BEAN POLES (Pointed)
Extra selected quality, 25 for $2.75; 50, $5.25; per 100, $10.00.

Large Packets, all varieties of Beans, 10c. postpaid

MICHELL'S TABLE BEETS

One ounce will sow 50 feet of row; 5 lbs. will sow an acre.

NOTE.—Price of Seeds on this page in lb. lots and less includes postage charges.

The soil best suited for beet culture is that which is rather light and well enriched. Sow in drills one foot apart and one inch deep, as early as the ground can be worked; when the plants are large enough thin out to stand four inches apart in rows. Send for Cultural Leaflet No. 104 on beets.

Crosby's Egyptian. One of the earliest beets, especially desirable on account of its rich blood red color throughout, and its extreme tenderness, which it retains through all stages of growth. Used for an early spring and winter variety, it being a good keeper. Pkt., 5c.; 15c. oz.; ¼ lb., 40c.; $1.25 lb.

Crimson Globe (*Michell's Improved*). Almost round in shape, of a rich deep red color. It has a distinct delicious flavor and is very tender, good for sowing early for forcing and summer use. Pkt., 5c.; oz., 15c.; ¼ lb., 40c.; $1.25 per lb.

Arlington Favorite. Extra early; exceedingly sweet, rich, blood red, turnip-shaped. Pkt., 5c.; 15c. per oz.; per ¼ lb., 40c.; $1.25 per lb.

Bastian's Extra Early. The best beet for market and family use, grows quite large, turnip-shaped. Pkt., 5c.; oz., 10c.; per ¼ lb., 30c.; $1.00 per lb.

Bastian's Half Long Blood. A valuable variety to follow Bastian's Extra Early; used extensively for winter use, when it should be sown in July. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; lb., $1.00.

Detroit Dark Red. A desirable type of turnip-shaped beet, very tender, excellent for winter keeping. Pkt., 5c.; 15c. per oz.; per ¼ lb., 35c.; $1.20 per lb.

Eclipse. Perfectly smooth and round, skin and flesh intense red. An excellent sort for forcing or for planting in the garden; medium size. Pkt., 5c.; oz., 10c.; ¼ lb., 30c.; $1.10 per lb.

Crosby's Egyptian Beet

Edmand's Blood. A variety for early and late sowing, good flavor, turnip-shaped. Pkt., 5c.; 10c. per oz.; per ¼ lb., 35c.; $1.15 per lb.

Extra Early Bassano. A flat variety, flesh white and rose colored, excellent used as a buttered beet. Pkt., 5c.; 10c. per oz.; per ¼ lb., 30c.; $1.10 per lb.

Lentz Early. Fine for sowing in hotbeds and outdoors early. It is a desirable winter variety also; blood red. Pkt., 5c.; 10c. per oz.; per ¼ lb., 30c.; $1.00 per lb.

SWISS CHARD or SPINACH BEET

This variety does not produce an edible root; but its top growth, which is silver-leaved, can be separated, the rib and leaf; while the former is cooked and served like asparagus, the latter is prepared like spinach and has altogether a decidedly splendid flavor.

Silver Leaved. Pkt., 5c.; oz., 10c.; ¼ lb., 25c.; lb., 75c.

Giant Lucullus. Pkt., 5c.; oz., 15c.; ¼ lb., 40c.; lb., $1.20.

CATTLE BEETS (Mangel Wurzel)

Seed selected from specimen roots

Sow 5 lbs. per acre in April and May in thoroughly plowed well-manured soil, in drills two inches deep, about twenty-four inches apart. Thin out to twelve inches and keep the weeds down by frequent hoeing and cultivating. Low ground is best adapted for mangel-wurzels. Cultural Leaflet No. 104 gives explicit directions for growing and caring for this crop.

Mammoth Long Red. This is an enormously productive variety, yielding from fifty to seventy tons to the acre, a single root often weighing from twenty to forty pounds. It is the best long red mangel. Per oz., 5c.; 15c. per ¼ lb.; lb., 50c.; 5 lbs., $2.00 (by express or freight, not prepaid).

Golden Tankard. The best long yellow mangel in cultivation. Relished by milch cows and sheep. Maturing earlier than other large sorts. Per oz., 5c.; 15c. per ¼ lb.; per lb., 50c.; 5 lbs., $2.00 (by express or freight, not prepaid).

Red Globe. An excellent sort, very prolific, good for late planting. Per oz., 5c.; 15c. per ¼ lb.; per lb., 50c.; 5 lbs., $2.00 (by express or freight not prepaid).

Yellow Globe. Contains a large amount of sugar properties, and can be used for replanting quite late. Per oz., 5c.; 15c. per ¼ lb.; per lb., 50c.; 5 lbs., $2.00 (by express or freight, not prepaid).

Improved White Imperial. An improvement on the other varieties of sugar beets, hardier, and containing a greater percentage of sugar. Per oz., 5c.; 15c. per ¼ lb.; per lb., 50c.; 5 lbs., $2.00 (by express or freight, not prepaid).

Lane's Improved White Sugar. This variety attains an enormous size, growing considerably above the ground, one of the best for stock feeding. Per oz., 5c.; ¼ lb., 15c.; per lb., 50c.; 5 lbs., $2.00 (by express or freight, not prepaid).

Michell's Improved Strain Wakefield Cabbage

Michell's Danish Ball Head Cabbage

MICHELL'S CHOICE CABBAGE SEED (Long Island Grown)

One ounce will produce about 3000 plants. 4 oz. will produce enough for an acre

No grower can make a mistake in purchasing this important crop from us. Our strains are the very best to be had, selected from specimen heads in well rogued fields. Sow seeds in January or February in hotbeds, and transplant latter part of April or early in May to open ground, or an early sowing in open ground can be made as soon as weather will permit. Set the plants in rows 2 feet apart, and 12 to 18 inches apart in the row. For second early sow in April and transplant in May, or sow in May and transplant in July, setting plants in rows 3 feet apart and 2 feet in rows. Never plant cabbage in the same location two years in succession. Ask for Cultural Leaflet No. 106, which gives full directions for growing and storing cabbage.

EARLY VARIETIES

Early Jersey Wakefield (Improved Strain). The finest type of early cabbage in existence. A great improvement over the regular strain. It produces uniform pointed heads, and should be sown by every private and market gardener. Pkt., 10c.; ½ oz., 20c.; oz., 35c.; $1.25 per ¼ lb.; lb., $4.00.

Early Jersey Wakefield (Usual Strain). Pkt., 5c.; 15c. ½ oz.; oz., 30c.; per ¼ lb., 80c.; $3.00 per lb.

Large Charleston Wakefield. Similar to the above sort but the heads are more blunt, equally as solid, while it grows almost twice the size, but matures one week later. Pkt., 5c. and 10c.; 30c. per oz.; ¼ lb., $1.00; $3.50 per lb.

Early Winnigstadt. Resembles the Early Jersey Wakefield somewhat, but the heads are more pointed and not so early. nor quite so solid. Pkt., 5c. and 10c.; 20c. oz.; ¼ lb., 70c ; $2.50 lb.

All Head. The largest of the early cabbages. The head is roundish flat and remarkably solid, excellent for winter as well as early spring, it resembles Early Summer. Pkt., 5c. and 10c.; 15c. per ½ oz ; oz., 25c.; 80c. per ¼ lb.; lb., $3.00.

Copenhagen Market. The earliest round variety in cultivation. The heads frequently weigh as much as 10 lbs. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 90c. per ¼ lb.

Early Flat Dutch. A dwarf-growing type, principally used for early summer. Pkt., 5c.; oz., 20c.; ¼ lb., 70c.; lb., $2.50.

WINTER VARIETIES

Michell's Improved Danish Ball-Head. This excellent winter cabbage, illustrated above, is unequalled for its keeping qualities, massiveness and weight of heads, when trimmed they weigh by several ounces more than any other variety. For boiling, cold slaw, sour kraut, etc., it is ideal, being crisp, tender and sweet. One of its virtues is that it does well under most any condition of moisture or drought; it seldom, if ever, rots; heads never burst. 10c. pkt.; ½ oz., 15c.; 30c. oz.; ¼ lb., 80c.; $3.00 per lb.

SECOND EARLY VARIETIES

Henderson's Early Summer. The leaves have a more bluish cast than the other cabbages; the heads are roundish flat. Pkt., 5c.; 15c. per ½ oz.; oz., 25c.; ¼ lb., 85c.; $3.00 per lb.

Enkhuizen Glory. A fine second early round head variety; very solid with few outer leaves. Pkt., 10c.; 15c. ½ oz.; oz., 30c.; $1.00 per ¼ lb.; lb., $3.25.

Early Summer Cabbage

Price of Seeds on this page is Postpaid

CABBAGE—*Continued*

LATE OR WINTER VARIETIES

Late Flat Dutch. (Improved Strain.) This has been selected especially for our trade, the seed being taken from the finest type of heads which were selected for solidity and uniformity. In a row or field of this strain every head appears uniform and its excellence is apparent. There is no better keeping cabbage in existence, being very solid. For sauer kraut it is unsurpassed. Pkt. 10c., 20c. per ½ oz., oz. 35c., $1.00 per ¼ lb., lb. $3.00.

All Seasons. (Vandergaw.) A very large head, round and solid. It is valuable for late summer or winter use. Pkt. 5c. (10c. per large pkt.), 25c. per oz., ¼ lb. 85c., $3.00 per lb.

Danish Ballhead. For description and price see opposite page.

Late Flat Dutch. A very large flat-headed sort, used extensively as the main winter cabbage crop. Pkt. 5c. (10c. per large pkt.), 15c. ½ oz., 25c. per oz., ¼ lb. 75c., $2.75 per lb.

Large Late Drumhead. Much like the above except the heads are not quite as large nor as flat, it is short stemmed. Pkt. 5c. (10c. per large pkt.), 20c. per oz., ¼ lb 70c., $2.50 per lb.

Perfection Drumhead Savoy. A beautifully crimped-leaved sort, color a deep glossy green. The head is almost round. Savoy cabbage is distinctly flavored, being much sweeter than the other kinds. We recommend it highly, being one of the best cabbages grown for either market or home consumption. Pkt. 5c. (10c. per large pkt.), oz. 25c., 75c. per ¼ lb., lb. $2.50.

Red Dutch Drumhead. A red variety, used extensively for pickling. When cooked with a little Port wine and sugar added to it, makes a dish fit for a king. Few people can appreciate it because they have never tried it. For cold slaw it has merits over the white kinds. It is principally used for winter. Pkt. 5c. (10c. per large pkt.); 20c. oz.; ¼ lb., 75c.; $2.25 per lb.

Volga. The heads often weigh 12 to 15 lbs. The interior is pure white. The heads are very solid, roundish flat and of a light green color. It is claimed to be almost worm proof. One of the best for early winter use. Pkt. 10c., 25c. per oz., ¼ lb. 85c., $3.00 per lb.

CABBAGE PLANTS

Ready in season according to variety

Early Sorts. From hotbeds. All the leading varieties. Per 100 40c. (by mail 55c.), $3.50 per 1000.

From Cold Frames Transplanted. Per 100 75c., $6.00 per 1000.

Late Sorts. Ready July 1st. Per 100 40c., $2.75 per 1000.

Michell's Selected Snowstorm Cauliflower

CAULIFLOWER PLANTS

(*Ready about April 1st*)

	Doz.	100
Spring plants from hotbeds	$0.25	$1.50
Wintered over Cauliflower Plants from cold frames	.40	2.00
Pot-grown Plants ..... each 5c.	.50	4.00

Perfection Savoy Cabbage

CATNIP HERB (Perennial)

This is used for various medicinal purposes, making tea, etc. As a tonic for cats it is excellent. Pkt. 10c., 25c. ½ oz., oz. 50c.

CARAWAY HERB (Annual)

The seeds when harvested are used for flavoring bread, producing the famous "German Kümmel Brot." Pkt. 5c., 10c. per oz., ¼ lb. 35c.

CAULIFLOWER

One ounce of seed will produce about 3000 Plants

Sow seeds in hotbeds or window boxes in February or March and transplant in cold frames until it is safe to plant outdoors. For second crop, sow in April and set out in May. For late crop, sow in June and set out in July. Plants should be set in rows 3 feet apart, 2 feet apart in the row. Ask for Cultural Leaflet No. 108. This covers cauliflower raising fully.

Matador. A splendid forcing variety. Although not quite as large as Snowball or Erfurt, it can stand any degree of heat and is extremely hardy in hot beds, 15c. pkt.; ¼ oz., 75c.

Michell's Earliest Snowstorm. Colossal heads of purest white, averaging often 10 inches in diameter; being very long and compact, it gives enormous weight to the individual heads; especially desirable for its earliness under glass, but does equally well in the late spring, summer or autumn outdoors. Pkt. 25c., 50c per large pkt., ¼ oz. $1.50, $2.50 per ½ oz., 1 oz. $5.00.

Michell's Special Strain Selected Erfurt. One of the earliest in cultivation, small leaved dwarf, for forcing or open ground; the head is not as large as the snowstorm sort. Pkt. 20c. and 50c., 85c. per ¼ oz., ½ oz. $1.50, $2.75 per oz.

Early Snowball. A splendid early variety, producing magnificent medium size white heads. Pkt. 20c. and 50c., 85c. per ¼ oz., ½ oz. $1.50, $2.75 per oz.

Danish Giant. An ideal variety for summer use, as it will stand more drought and heat than most other sorts; the heads are large, snow white and are protected with a liberal growth of foliage. This is the ideal variety to plant for summer use if you want to be sure of cauliflower at that season. Pkt., 20c.; 80c. per ¼ oz.; per oz., $3.00.

Algiers. One of the best late sorts for outdoor planting; always produces a good head. Pkt. 10c., 25c. per ¼ oz., per oz. 75c.

Half Early Paris. Pkt. 10c., 20c. per ¼ oz., per oz. 65c.

Veitch's Autumn Giant. One of the finest late varieties for outdoor culture, doing especially well in the South and during dry periods. Pkt. 10c., 20c. per ¼ oz., per oz. 65c.

Improved Long Orange Carrot

CARROT (One ounce will sow 100 ft. of drill; 3 to 4 lbs. per acre.)

PRICES of SEED on this PAGE are POSTPAID

For an early crop sow as soon as danger from frost is over in rows 1 foot apart, when 2 inches high thin out to stand 2 inches apart in the row. For late crop sow in May or June. The long sorts sow early, the half-long and round sorts can be sown later. For complete cultural directions ask for Leaflet No. 107.

Chantenay Half-Long. Fine orange scarlet color, very productive; especially desirable for market or home use. The flesh is tender, firm and finely grained; 5 inches long, stump-rooted. Pkt. 5c., 15c. per oz., per ¼ lb. 40c., $1.25 per lb.

Danvers Half-Long. The best variety for general crop; rich orange color, a very heavy yielder and splendid keeper, a first-class carrot for all soils, and valuable both for table and stock, 6 to 7 ins. long, stump-rooted. We have an extra fine strain of this favorite sort. Pkt. 5c., per oz. 15c., 40c. ¼ lb., lb. $1.25.

Early Half-Long Scarlet. A very desirable pointed root variety, coming in between the Scarlet Horn and the Long Orange; early, of fine flavor and good color, can be sown in hotbeds for early use for which purpose it is very good; 5 to 6 inches long. Pkt. 5c., per oz. 15c., 40c. ¼ lb., lb. $1.25.

Early Scarlet Horn. A favorite early red variety, fine grain and good flavor, stump rooted, about 6 inches long, ideal for soups. Pkt., 5c.; per oz., 15c.; 45c. ¼ lb.; lb., $1.40.

Guerande or Oxheart. A desirable variety on soils too hard and stiff for the longer growing sorts, as it is not over 3 or 4 inches long. It has a very fine flavor and is well colored a rich orange. Pkt. 5c., 15c. per oz., 40c. ¼ lb., lb. $1.25.

Improved Long Orange (*Michell's Special Strain*). Deep orange color, 10 inches long, good flavor, yields heavily; is of excellent table quality, and is also the best for stock feeding. This strain grows unusually uniform, root for root, and gives great satisfaction; pointed rooted. Pkt., 5c.; oz., 15c.; ¼ lb. 40c., $1.25 per lb.

Rubicon Half-Long. An entirely distinct Carrot. It is the best in shape, and its deep red orange-colored flesh is the finest quality. It is earlier than the Danvers and about the same length; extremely well adapted for early forcing, sowing in hotbeds and for growing outside. The ideal carrot for the market gardener, point rooted. Pkt. 5c., 15c. per oz., ¼ lb. 40c., $1.25 lb.

Very Early Short Horn Scarlet or French Forcing. An early forcing variety; small round root, not much larger than a radish. For stewing alone or when served with new peas, it is a rare delicacy hard to imagine unless you have eaten thereof. It may be sown outdoors as well as under glass. Pkt. 5c., 15c. per oz., ¼ lb. 40c., $1.25 per lb.

White Belgian. Used principally for stock, not being desirable for table, produces a long thick white root. It is also used for soiling or turning under; being a valuable humus maker. It is about 8 to 10 inches long with a green top. Pkt. 5c., 10c. per oz., per ¼ lb. 30c., $1.00 per lb.

Chervil

CHERVIL (One ounce will sow a row 25 feet long.)

An aromatic plant used extensively in Europe as a salad seasoner. It adds a flavor that is entirely its own. When chopped fine and scattered on buttered potatoes it is a rare treat. American gardeners should become familiar with this, as they are missing one of the best things that grow. Sow it in a row like parsley, which it somewhat resembles. For a continuous crop, sow every two weeks, if one has heated frames or a greenhouse, it can be cut 4 or 5 weeks after sowing.

Double Curled. Pkt. 5c., oz. 15c., ¼ lb. 50c., $1.75 per lb.

A Clump of Chives

CHIVES (Schnittlauch)

This popular kitchen garden plant is indispensable for flavoring certain dishes, it imparts a mild onion taste, not, however, to such an extent as to render it objectionable. The plants are hardy and will last for years; don't cut the plant too close when gathering. If desired for winter use, lift and plant in a pot or box and place in a sunny window in the kitchen.

Seed. Pkt. 15c., 2 for 25c.

Strong Plants. 10c. each, doz. $1.00, $7.00 per 100.

CORIANDER (HERB)

The harvested seed is used for flavoring confectionery, liquors, etc. It is an annual and must be sown every season. Pkt. 5c., 10c. per oz., ¼ lb. 35c.

Ask for Cultural Leaflet No. 113, on Kitchen Garden Herbs.

MICHELL'S CHOICE CELERY

One ounce of Seed will produce 3000 to 5000 plants; Half pound will produce enough plants for an acre.

Sow in hotbeds in March or in open ground in April. See that no weeds infest the seed bed; when 3 inches high transplant in a bed outdoors in rows 3 inches apart each way, let them remain here until July, when they should be planted where they are to mature; in rows 3 feet apart, 6 inches apart in the row. Cultural Leaflet No. 109 covers celery growing fully.

EARLY VARIETIES (For Thanksgiving and Christmas Use)

White Plume (*Michell's Private Stock*). The standard early celery for market and the home garden. The stalks and heart, which blanch very quickly to almost a pure white, are very crisp and brittle. It can be used early in November and is of the finest quality. This strain of seed is a selection of the finest and best specimens, and will be found very superior in every way. Pkt., 10c.; 20c per ½ oz.; oz., 35c.; $1.00 per ¼ lb.

White Plume (*Regular Strain*). Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 75c. per ¼ lb.

Early Snowdrift. An improved White Plume self-blancher, with a splendid nutty flavor, the heart is very full; a single plant producing a good quantity; matures for Thanksgiving Day. Pkt., 10c.; ½ oz., 20c.; oz., 35c.; $1.25 per ¼ lb.

Golden Self Blanching (*French Grown Seed*). One of the earliest and most productive sorts. The beautiful golden-colored stalks attain a height of 18 inches, which during the growing period are never pithy, of excellent flavor requiring no artificial blanching process, ready for use in October but may be kept for early winter use. Our seed has been grown in France, where this vegetable attains greatest perfection, and this strain is much superior to American-grown seed. Pkt., 15c.; 85c. per ½ oz.; oz., $1.50; $6.00 per ¼ lb.

Dwarf Golden Heart. This variety comes in for use at Christmas, and keeps well into the spring. The stalk is short, stocky and very nutty. The heart or inner stalks are a rich golden yellow. An ideal home garden variety. Pkt., 5c.; 10c. per large pkt.; oz., 20c.; 60c. per ¼ lb.

Pink Plume. A very solid, crisp, desirable sort; the stalks when blanched are a beautiful rose-pink. On the table it is quite an attraction and should be grown more extensively. It is very early and requires very little artificial blanching. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 75c. ¼ lb.

LATE WINTER VARIETIES

Far Superior (*Michell's*). It produces gigantic stalks, and a large, full heart, the flavor is ideal and all that could be desired. It improves with the advance of winter, and is a variety with very little waste, comes into condition for use about January. Pkt., 10c.; ½ oz., 15c.; oz., 30c.; ¼ lb., 85c.

Giant Pascal. One of the largest stalked kinds. It is in its prime for use during February and March, and can be used well up into spring. Pkt., 5c. (10c. per large pkt.); ½ oz., 15c.; 25c per oz.; ¼ lb., 75c.

Winter Queen. A medium tall, solid variety, will retain its qualities long thro' the winter. The heart is very full and large. Pkt., 10c.; 15c. per ½ oz.; oz., 30c.; $1.00 per ¼ lb.

New York (New). The earliest Celery in cultivation. Very large and solid and of excellent qualities. Self blanching. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 75c. per ¼ lb.

New Columbia. A new variety of great merit, a medium tall sort, producing a large heavy stalk, three making a massive bunch, has splendid keeping qualities. Pkt., 10c.; 25c. per ½ oz.; oz., 50c.; $1.75 per ¼ lb.

Flavoring Celery (not for sowing). 10c. per ¼ lb.; lb., 30c.

CELERIAC—Turnip Rooted

This German vegetable is used for two purposes, the leaves are cut when young and used to flavor soups and meats. The roots are boiled, sliced, cooled, and served as a salad.

Giant Prague. Pkt., 5c. (10c. large pkt.); oz., 20c.; ¼ lb., 60c.

CELERY PLANTS (*Ready in July*)

Extra selected transplanted stock, leading sorts. See page 49. 50c. per 100; 500 for $2.25; $4.00 per 1000.

CELERY PAPER

For use, when celery is dug and laid in trenches over winter this paper is placed over it, and covered with soil or leaves. Per 500 sq. ft. roll, $1.15; 5 rolls for $5.00.

CELERY WIRE

For tying bunches of celery together. No. 19, hard tinned, cut 8½ inches long, 15c. lb.; per box of 10 lbs, $1.40.

CELERY TAPE

A waterproof glazed braid, cherry pink, in 1000 yard spools, makes celery look more attractive. Per spool, $2.25.

Off to market with a load of Michell's Improved Strain Stowell's Evergreen Corn

SWEET OR SUGAR CORN

One quart will plant 200 hills; 8 to 10 quarts per acre.

Large Packets of all Varieties, 10 cents, postpaid

Plant once a week from the moment the ground is permanently warm until July 15th, drop from 6 to 8 grains in hills three feet apart each way, or in rows three feet apart; if the latter, thin out so the plants stand 12 inches apart; if left in hills, thin out when 4 inches high to 3 or 4 strong plants to the hill. Directions for successful corn growing is covered in Cultural Leaflet No. 110, free for the asking.

EARLY VARIETIES

Early Champion. Large ears, well shaped and exceedingly sweet Pt., 15c.; 25c. qt.; 4 qts., 80c.; $1.35 per peck; bushel, $5.25.

Golden Bantam. While yellow in color, this is the sweetest and earliest corn in existence, if once planted it will be a sure favorite. The ears are medium size, tender and delicious. The plant is of dwarf growth, we recommend it very highly for the home garden. Pt., 15c.; 30c. qt.; 4 qts., $1.00; $1.75 per peck; bushel, $7.00.

Early Giant Wonder. An extremely good sort, producing larger ears than any early type of true sugar corn, of which it is one of the earliest. 10c. pkt.; pt., 20c.; 40c. per qt.; 4 qts., $1.25; $2.25 per peck; per bu., $9.00.

Ideal. The grower of this variety has been carefully selecting it for the past fifteen years. Exceedingly early and large yielder. It is not quite as sweet as some other varieties, it is though, nevertheless, well flavored and its extra early feature outweighs all other points against it. It comes in sooner than other white-kernel varieties. 15c. per pt.; 25c. per qt.; 90c. for 4 qts.; peck, $1.50; $6.00 per bu.

Kendel's Early Giant. Large ears, large deep grain, well flavored and extra sweet. The ears are very cylindrical. An ideal sort for the first and last planting. Pt., 15c.; 25c. per qt.; 4 qts., 90c.; $1.50 per peck; bushel, $6.00.

Adams' Extra Early. Best for very early planting, but not entirely sweet; white grain. 15c. per pt.; per qt., 25c.; 80c. for 4 qts.; per pk., $1.25; $5.00 per bu.

Aristocrat. A typical New England corn, having originated in the vicinity of Newport, and is supplied to the summer cottagers at that point. It is extra early and extremely sweet and luscious. 20c. pt.; qt., 35c.; $1.10 for 4 qts.; per pk., $1.75; $7.00 per bu.

Ideal Sugar Corn

If Corn is desired by mail, add 5c. per pint, 10c. per quart, for postage.

MICHELL'S SELECTED SUGAR CORN—*Continued*

Large Packets of all Varieties, 10 cents postpaid

EARLY VARIETIES—*Continued*

Crosby's Extra Early. An old favorite sort. Ears small, grain exceedingly sweet, heavy producer. 15c. per pt.; per qt., 25c.; 75c. for 4 qts.; per pk., $1.25; $5.00 per bu.

Early Evergreen. This variety is closely allied to Stowell's in shape, flavor and style, but is much earlier. 15c. pt.; qt., 25c.; 85c. for 4 qts.; per pk., $1.50; $6.00 per bu.

Early Mammoth. The ears and fodder both attain gigantic proportions. The former, besides being large, are handsome in appearance and exceedingly sweet. Matures just after the extra early types. 15c. per pt.; per qt., 25c.; 80c. for 4 qts.; per pk., $1.25; $5.00 per bu.

Golden Rod. This is an improvement on the famous Golden Bantam. Ears are somewhat larger, but it matures a few days later. In color it is not quite as golden yellow, as the former, but lighter. It is exceptionally sweet. A variety, that will give great satisfaction in the home garden. 20c. per pt.; per qt., 35c.; $1.20 for 4 qts.; $2.00 per pk.

Metropolitan. One of the largest of the early sorts, maturing sooner than most of the real Sweet Corns. It is evenly grained and may be depended upon for exceptional results. Per pt., 15c.; 25c. per qt.; 80c. per 4 qts.; per peck, $1.50; $6.00 per bushel.

Premo. A fine type of sugar corn, one of the real good extra early large-eared varieties. 15c. per pt.; per qt., 30c.; 90c. for 4 qts.; per pk., $1.50; $6.00 per bu.

Stabler's Extra Early. This is the standard sort for the home garden. The large ear is well arrayed with even grains which cook pure white and are very tender. 15c. pt.; qt., 25c.; 90c. for 4 qts.; pk., $1.40; $5.60 per bu.

MEDIUM AND LATE VARIETIES

Black Mexican. A medium late variety, reputed to be without exception the sweetest corn grown; while the grains are young they cook white, as the ear becomes older it cooks a violet shade on the outside, but in either stage of growth it is desirable. The ears are medium sized and are produced abundantly. Pt., 15c.; qt., 25c.; 4 qts., 75c.; peck, $1.35; bushel, $5.00.

Country Gentleman (Michell's Improved Strain). A distinct sort, with deep, fine grains which are staged irregularly on the cob. In sweetness it is unapproached and for this reason it should recommend itself to every planter. The ears are large and borne on stalks about 6 feet high, a very productive variety and desirable for either home or market use. Our Improved Strain is a careful selection of the finest type and will give unusual satisfaction. Pt., 20c.; 35c. qt.; 4 qts., $1.25; $2.25 per peck; bushel, $8.00

Country Gentleman (Usual Strain). 15c. pt.; qt., 30c.; $1.00 per 4 qts; peck, $1.50; $6.00 per bushel.

Eastwick. This corn, until some seed stock had been given to us, had been in the hands of one family for a period of many years. Through experiments, we conducted, we are convinced, that it cannot be surpassed by any for sweetness We have succeeded in working up a limited stock of it, which we offered last season for the first time. It is a tall growing sort, matures at the same time as Shoe Peg (but is much sweeter). An important characteristic of it is, that in eating it, the kernel or flesh of the grain comes out of the hull easily and the latter remains on the ear. This means that you do not have to pick your teeth after you eat Eastwick Sugar Corn. 20c. per pt.; per qt., 35c; $1.00 for 4 qts.

Late Mammoth. Gigantic ears, of extra fine quality, produced in quantity. This is the latest maturing and largest of all sweet corns. The stalks frequently are 8 and 9 feet high. Pt., 15c.; qt., 25c.; 4 qts., 75c.; peck, $1.10; bushel, $4.40.

TESTIMONIAL ON MICHELL'S SUGAR CORN

Brigantine, N. J.

The seeds purchased from you last season were O. K., and although the season was very dry, the vegetables were fine. Your Improved strain of Stowell's Evergreen Corn was simply great. MORRIS SMITH.

MEDIUM AND LATE VARIETIES (*Continued*)

Little Gem or Shoe Peg (*Ne Plus Ultra*). This variety is closely allied to Country Gentleman in every characteristic. Pt., 15c.; per qt., 30c.; 4 qts., $1.00; per peck, $1.50; bushel, $6.00.

Michell's Delicious. The name hardly describes this sort. Some twenty years ago it was selected by an old Philadelphia gardener who bred it until he had it perfect, ever since we acquired control thereof we have placed it with our best sugar corn grower in New England with instructions to grow it for us exclusively and keep reselecting it. The ears are well filled, medium in size and mature after the early varieties. Pt., 20c.; 40c. per qt.; 4 qts., $1.50; $2.75 per peck; bushel, $11.00.

Stowell's Evergreen (Michell's Improved Strain). The best late corn grown. The ears are extra large, produced in great abundance, stalks often grow to a height of 7 feet; in sweetness it is unexcelled and for this reason it is the great favorite of the market and home gardener. Our strain has been reselected and represents not only a superior quality but a most distinct advance in this splendid variety. Pt., 20c.; 35c. per qt.; 4 qts., $1.25; $2.25 per peck; bushel, $8.00.

Stowell's Evergreen (Usual Strain). Pt., 15c.; 25c. per qt.; 4 qts., 75c.; $1.25 per peck; bushel, $5.00.

SUGAR CORN ON EARS

Large selected specimens of **Crosby's, Country Gentleman, Stowell's Evergreen, Late Mammoth, Kendel's** and **Stabler's.** 10c. each; per doz., $1.00; $7.00 per 100 ears.

Popping Corn

POP CORN

There is hardly a home in this vast country where the popping of corn is not considered an excellent pastime during the long dreary evenings of winter. When popped, buttered and sugared it is not only delicious but healthful. Not all pop corn is the right kind for popping. What we offer, however, can be relied upon for planting and popping.

Queen's Golden (Ears). (Pops white.) Lb., 10c.; 3 lbs., 25c.; 10 lbs., 75c.

White Rice (Ears). Lb., 10c.; 3 lbs., 25c.; 10 lbs., 75c.

CORN POPPERS

Made of best quality wire. Price includes handle and lid. 1 qt. size, 15c.; 2 qt.. size, 25c.

CHOICE FIELD CORN FOR SEED

We are headquarters for the leading varieties, which we have had grown on contract especially for us. See page 58.

Water Cress

WATER CRESS

This desirable cress may be sown early in spring near the brink of a pond or piece of running water. Just scatter the seed and it will sprout and grow with wondrous rapidity; once established it remains for years, it seeding itself.

True Erfurt. Pkt., 10c.; 20c. per ½ oz.; oz., 30c.; $1.00 per ¼ lb.

GARDEN CRESS

Sow thickly in early spring in drills one foot apart, and follow every two weeks, up to August 1st, with a new sowing, as it quickly runs to seed. Its very desirable pungent taste is acceptable to most any one who is fond of garden greens. It is eaten as gathered prepared with either a little salt and vinegar, or without; makes a very tasty salad.

Extra Curled or Pepper Grass. Pkt., 5c.; 10c. per oz.; ¼ lb., 20c.; 50c. per lb.

If Corn is wanted by mail, add 5c. per pint, 10c. per quart, for postage.

Michell's Arlington White Spined Cucumber

CUCUMBER

One ounce of seed will plant 60 hills; 2 to 3 pounds per acre.

Plant when the ground has become thoroughly warmed in hills, 4 feet apart each way, 8 seeds in a hill, when the second set of leaves have formed thin out to 4 plants. A type of beetle attacks this crop occasionally, which can be conquered by spraying the vines with Pyrox or Arsenate of Lead, when this is used always wash the fruits thoroughly before using. Culture of Cucumbers is fully covered in Leaflet No. 111, ask for a free copy.

Michell's Arlington Improved White Spined. This cucumber is conceded to be absolutely perfect in form, color, size and productiveness and is, therefore, the leading sort for not only the home or market garden, but also with those who make a specialty of growing them under glass. The fruit is smooth, deep green to the tip and measures uniformly 8 inches in length. It has few seeds, making it a valuable variety for slicing or pickling. A splendid keeper, retaining its color remarkably; the seed we offer is an extra selection. Pkt. 10c., 15c. per oz.; 40c. per ¼ lb.; lb., $1.30.

Improved White Spined. A popular strain of the above, producing fine quality. Pkt. 5c., 10c. oz., ¼ lb. 30c., $1.00 lb.

Davis' Perfect. This remarkably fine variety is suited for growing under glass as well as outdoors. The fruits are uniform in shape and size, measuring 10 to 12 inches on the average. Its color is dark green all over and it is quite smooth and productive. Pkt. 5c. (10c. large pkt.), 15c. oz., ¼ lb. 35c., $1.20 lb.

Emerald. A dark green early sort, very smooth and prolific, it grows very straight, measuring on the average 8 inches. It is not as thick as some sorts, thus making it valuable for slicing. Pkt., 5c.; oz., 10c.; 35c. ¼ lb.; lb., 90c.

Cool and Crisp. An improvement on the White Spined variety, being somewhat longer, earlier and continuing to bear for a longer while than most sorts. The ends are uniformly tapered, the fruits are dark green and free from spines. Pkt. 5c., 10c. per oz., ¼ lb. 30c., $1.00 per lb.

Long Green Turkey. This is one of the largest cucumbers grown, used principally for slicing. Its dark color makes it desirable for market. Pkt. 5c., 10c. per oz., ¼ lb. 30c., $1.00 per lb.

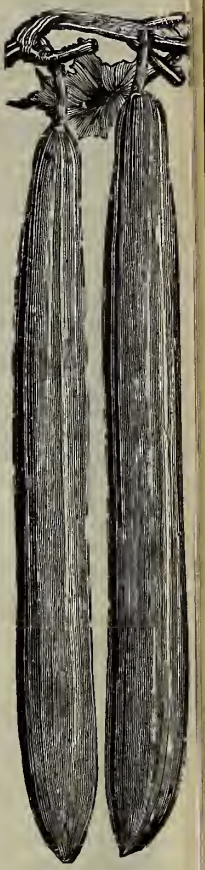
Cumberland. A long slender variety which is very productive; fine for pickling or slicing; average length, 8 to 10 inches; dark green color. Pkt. 5c., 10c. oz., ¼ lb. 30c., $1.00 lb.

Evergreen. The name is derived from the feature of its dark green color-retaining qualities, a thick fruit measuring about 8 to 9 inches long, Pkt. 5c., 10c. per oz., ¼ lb. 30c., $1.00 per lb.

Jersey Pickle or Green Prolific. This sort can be used for slicing, but is best for pickling on account of its size, which averages 5 inches; makes ideal "Dill Pickles" as sold extensively in the delicatessen stores. Pkt. 5c., 10c. per oz., ¼ lb. 30c., $1.00 per lb.

Japanese Climbing. A trellis variety used for shade as well as eating purposes. The vine is very ornamental, producing extra long light green fruits in abundance. Pkt. 5c. (10c. per large pkt.); 15c. oz.; ¼ lb., 40c.; $1.40 lb.

Gherkin or Burr Cucumber. For pickling only, the small fruits are roundish long, about 2 inches, very prickly when green. Pkt. 5c. (10c. per large pkt.); per oz., 15c.; 45c. per ¼ lb.



English Cucumber, "Lockie's Perfection" Average length, 24 inches

ENGLISH CUCUMBERS

These are ideal for growing outdoors as well as under glass. They produce enormous fruits, generally 18 to 24 inches long and 3 inches in diameter. They have a delicate flavor and possess very few seeds; for slicing, no other sorts can approach them.

Lockie's Perfection, Sion House, Telegraph, Tender and True. Each per packet of 12 seeds 25c., $2.00 per 100 seeds.

CORN SALAD (Fetticus)

This is principally sown for a supply of greens during winter and early spring months. Sow in September broadcast; when cold weather approaches, cover it with a litter of leaves or long manure; and upon approach of spring the covering can be taken off entirely. It can be gathered on mild days during winter.

Large Leaved, Round Seeded. Pkt. 5c., 10c per oz., ¼ lb. 25c., 70c. per lb.

DILL HERB (Annual)

Used extensively for culinary use and for putting with cucumbers when pickling, producing the famous German "Dill Gurken." Pkt. 5c., 10c. oz., ¼ lb. 25c.

CHICORY

"Witloof"

Witloof. This grows in a solid oblong head and blanches ivory white. When lifting, cut whole head with part of the roots to hold the leaves together. It is the choicest of all the winter salads and is used to such an extent in this country that much of it is imported. Pkt. 5c. (large pkt. 10c.), 15c. per oz., ¼ lb. 45c.; $1.50 per lb.

Large Rooted or Common. This variety is cultivated principally for the roots, which when matured are dried and ground. It is a substitute for coffee and is used sometimes for flavoring the latter. The roots can be boiled, prepared and served like salisfy. Pkt. 5c., 10c. per oz., ¼ lb., 30c.; $1.00 per lb.

We have issued a special leaflet describing at length and in detail the culture of Chicory, also the way to prepare and serve it. If interested ask for Special Culture Leaflet No. 131.

GARDEN BASKETS (Oak)

There is nothing like having proper help in executing garden work. These baskets are substantially made and each style fills some one particular demand.

The English Gathering Basket, known as No. 1, will be found especially convenient for gathering Asparagus, Lettuce, Cauliflower, cut flowers, etc. Even in a small home garden there is a need for one of these baskets.

ENGLISH GATHERING BASKET No. 1

Very convenient for carrying berry boxes, asparagus and other vegetables; made of oak; 12 in. wide, 23 in. long, 4 in. deep. Price, 60c.; $6.50 dozen.

STIFF HANDLED BASKETS No. 2

½ bushel capacity. 50c. each; doz., $5.50.

DROP HANDLE OAK BASKET No. 3

½ Bushel capacity, with a thoroughly reinforced bottom. 50c. each; $5.50 doz.

OAK BASKET WITHOUT HANDLE No. 4

This pattern is on the market a long while and is preferred by many. Has liberal hand grips and is closely woven.

1 Bush. size, 75c. each; dozen, $8.00. ½ Bush. size, 45c. each; dozen, $4.75.

SPLINT OR CHIP BASKETS

These inexpensive baskets are suitable for shipping fruit and vegetables from the garden to the summer home.

	With Handle	Without Handle		With Handle	Without Handle
¼ bu....	doz. $0.65	doz. $0.60	¾ bu....	doz. $1.20	doz. $1.00
½ bu....	" .70	" .65	1 bu....	" 1.65	" 1.50

DANDELION

While this name applies to one of the most obnoxious weeds, this variety is a valuable vegetable, grown in quantities for the New England markets, where it is prized as the first spring greens. The leaves, which are very fleshy, are boiled and served hot or cold; not alone is it appetizing but very healthy and highly recommended by physicians. Seed should be sown in spring thickly in a bed in the garden, where the plants should remain for the season, late in the fall cover the bed with a movable sash or leaves or salt hay for protection. To be real tender it must be used very early in the spring, after which the bed should be destroyed, unless it is desired to make wine from the flowers. A new bed should be made each season.

Thick Leaved or Cabbaging. Pkt. 5c. (10c. per large pkt.), 20c. per ½ oz., oz. 40c., $1.25 per ¼ lb.

Black Beauty Egg Plant

EGG PLANT (One Ounce will produce about 2000 plants)

Sow seed in March in hotbeds and when three inches high transplant into small pots or otherwise. Plant outdoors in May or June, or after the weather has become permanently warm. The rows should be 3 feet apart and the plants set 2 feet apart in the row. Ask for Cultural Leaflet No. 112, covering Egg Plant growing.

SELECTED NEW JERSEY GROWN SEED

Black Beauty. An extra early large variety, almost black in color, very prolific and with few seeds. Pkt., 10c.; 20c. ½ oz.; oz., 40c.; $1.40 per ¼ lb.

Michell's New York Improved. An old standard, quite large and more elongated than the Black Beauty, with a rich purple color. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; $1.10 per ¼ lb.

Black Pekin. An extra early, small, black variety. Pkt. 10c., 15c. per ½ oz., per oz. 30c., $1.00 per ¼ lb.

Early Long Purple. The earliest and hardiest, very productive. Pkt. 5c. and 10c., 20c. per oz., ¼ lb. 65c.

EGG PLANT PLANTS (*Ready May 15th*). Pot-grown. **New York Improved, Black Beauty.** Produced at our "Evergreen" Seed Gardens. Per doz. 50c., $4.00 per 100.

MICHELL'S SEEDS ARE PRIZE WINNERS.

Bar Harbor, Me.

For the third year in succession I have won the silver cup offered by our horticultural society for the best display of vegetables. They were all grown from your seeds.

WM. McGRANAGHAN.

Prices of Seed on this page are postpaid

ENDIVE (*Sometimes called Chicory*)

One ounce will sow a row 200 feet long

Sow from June to August in shallow drills and when 2 inches high thin out so the plants stand 10 inches apart. When fairly well developed tie the plants together at the top with Raffia, but do this at a time when the leaves are dry, this is called the blanching process. If the plants are protected they may be left outdoors till Christmas. If wanted for later use they must be lifted late in the autumn, placed in a dry cool cellar, covering the roots with soil. If handled thus it may be had well into spring, and makes an excellent salad.

Broad-Leaved Batavian (*Escarolle*). Leaves broad, light green, nearly plain. Pkt. 5c. (large pkt. 10c.), 15c. per oz., per ¼ lb. 45c.; $1.50 per lb.

Giant Fringed (*Oyster Endive*). A strong growing variety with a large white heart and broad leaves, the heads frequently measure 15 inches in diameter. Pkt. 5c. (large pkt. 10c.), 25c. per oz., per ¼ lb. 75c., $2.50 per lb.

Improved Green Curled. An improvement on the old Green Curled variety, producing a larger head and more leaves. Pkt. 5c. (large pkt., 10c.); 15c. oz.; ¼ lb., 45c.; $1.50 per lb.

White Curled (self-blanching). This is the finest White Curled variety, grows to a large size, always crisp and very tender. Pkt., 5c. (large pkt., 10c.); 15c. oz.; ¼ lb., 45c.; lb., $1.50.

FENNEL HERB (Annual)

An aromatic plant used for flavoring and in cooking, also for tea for children. Pkt. 5c., 10c. per oz., ¼ lb. 30c., $1.00 per lb.

GARLIC SETS (Knoblauch)

A hardy flavoring onion, used extensively in the French method of cooking. This variety should not be compared with the common field sort, as this produces large bulb. Plant and harvest the same as onions. 30c. per lb. (by mail 38c.), $1.25 for 5 lbs.

HOP VINE

Besides being used in culinary and medicinal ways, this makes a valuable shade plant, placed on arbors, trellis, etc. It is hardy and rarely winter-kills. The hops are gathered about September and stored for use on a dry floor or hung in bags.

Seeds. Pkt. 10c., 30c. per oz.

Pot Grown Plants. 15c. each, doz. $1.50, $10.00 per 100.

HOREHOUND HERB (Annual)

Used for various medicinal purposes and for flavoring. Pkt. 5c. (large pkt. 10c.), 15c. ½ oz., oz. 25c.

HORSE RADISH ROOTS

(*Ready in March*)

Horseradish is used in most every household during the fall and winter months when the fresh product is ready. Set the roots in spring in rows six inches apart, about the same distance in the row. No cultivating of any amount is required. Late in the fall lift as many roots as you think you will use during the winter, cut off the top, place them in a cool cellar covered with soil or sand, and grate as wanted. A bed once planted remains for years.

Maliner Kren (*Bohemian*). Quick-growing variety, now the very best horse radish grown. Large, strong cuttings 25c. per doz., per 100 75c. (postpaid $1.00), $6.00 per 1000.

Regular Variety. Doz. 15c., 50c. per 100 (postpaid 65c.), per 1000 $4.00.

Dwarf Curled Scotch Kale

KALE OR BORECOLE (One ounce will sow a drill 150 ft. long; 3 lbs. will sow an acre)

For early use it may be sown in May; when desired for winter use sow in September broadcast or in rows 2 ft. apart. Cover for protection against severe freezing and snow. Do not handle while in a frozen condition, one of the finest nutritious greens.

Dwarf German Green Curled. This variety is very compact growing, rarely attaining a height over six inches. The color is dark green, very curly. 5c. pkt.; 10c. oz.; 30c. ¼ lb.; 90c. lb.

Dwarf Green Scotch. A very good variety, quite an improvement on the Dwarf German type. It is more prolific, holds its color better, and is more densely curled; fine for winter use. Pkt., 5c.; 10c. per oz.; ¼ lb., 30c.; 90c. per lb.

Imperial Long Standing. The leaves are very crimpy and of a dark green color. It stands quite tall, and is an excellent producer. It is just as hardy as any of the other sorts, and will be found very profitable where quantity as well as quality is desired. Pkt. 5c., 10c. per oz., ¼ lb. 30c., 90c. per lb.

Sea Kale. This variety is cooked and served like asparagus when blanched. Pkt. 10c., 25c. oz.

Vegetable Plants are offered under the respective headings for Seed; also on page 49

Earliest White Erfurt Kohl Rabi

KOHL RABI (One ounce will sow a row 150 feet long)

It is regrettable that this splendid vegetable is not more widely used, we would suggest that those who read these lines give it a trial and if pleased with it, recommend it to their friends. Sow seeds in early spring in hotbeds or outdoors and transplant when 3 inches high in rows 18 inches apart, 6 inches in the row. The edible part is the turnip which grows above the ground, this should be used when it attains a size of 2½ inches in diameter or less, at this stage it is extremely tender and delicious, while if it is larger it is woody. Prepared and served like turnips, except that a few of the bottom leaves can be cooked with the root. If they get old before they are used, feed to the cows, they relish them; and it gives the milk a fine flavor.

Blue or Purple Vienna. The flesh is white, with a bluish skin. Principally used for outdoor sowing. Pkt. 5c. and 10c.; 20c. per oz.; 70c. per ¼ lb.

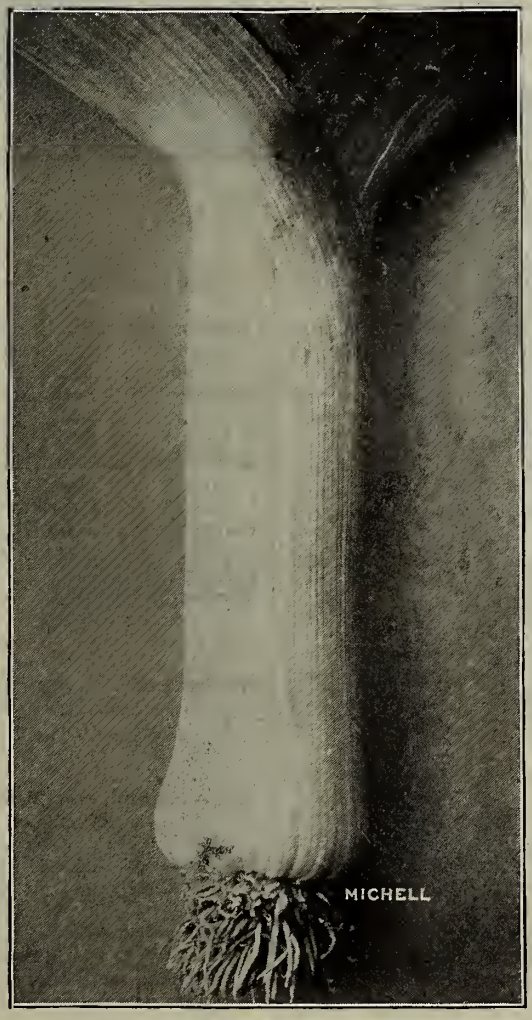
Early White Vienna. This variety is suited for sowing under glass and for outdoors. The top is very short, thus allowing all the development to go to the root, insuring an early maturity. Very finely grained and of excellent quality. Pkt. 5c. and 10c., 15c. per ½ oz., oz. 25c., 65c. per ¼ lb.

Earliest White Erfurt. A very small rooted sort; fine for forcing; exceedingly tender and sweet. Pkt. 10c., 15c. per ½ oz., oz. 30c., ¼ lb. 85c.

LAVENDER HERB (Perennial.)

This aromatic herb is grown largely for its flowers, which are very highly scented, cut and dried it is spread among linen and clothing to which it imparts an agreeable perfume. It also has the tendency of keeping away moths. Cultural directions are given in Leaflet No. 113. Pkt. 5c. (large pkt. 10c.), oz. 20c.

Lavender Plants. 12c. each; doz., $1.25; $8.00 per 100.



Giant Carentan Leek

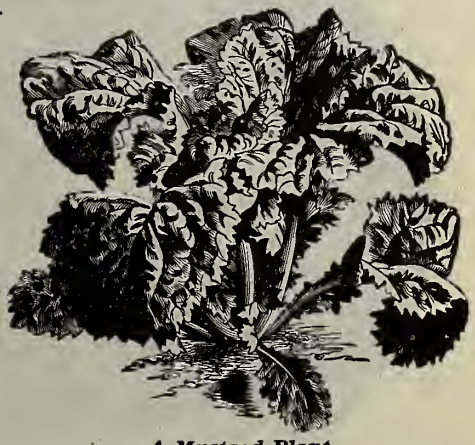
MINT

Our stocks are the true varieties used for making mint sauce and juleps, also in many other ways. The plants are hardy and when once established remain for years.

Seeds of Peppermint. 25c. per packet.

Plants of either Spearmint or Peppermint. 10c each; doz., $1.00; $6.00 per 100.

MUSTARD



A Mustard Plant

One ounce will sow a row 75 feet long. Another one of the things the average person who gardens knows nothing of except in a prepared state as a condiment. It makes a delicious green salad, pungent in taste, highly palatable and healthy. It should be sown every two weeks in a row the same as spinach, for a continuous supply, beginning in April. It must be used while young, as only then is it tender and mild. Fine winter greens if sown in a heated frame or greenhouse, also fine if served with lettuce salad for flavoring. The seed can be harvested if the plant is allowed to stand and used for other culinary purposes.

White or Yellow. 7c. per oz.; ¼ lb., 15c.; 40c. per lb.

MARTYNIA (Unicorn Plant)

A bushy plant growing two feet in height, bearing clusters of pink flowers resembling gloxinias, which afterwards turn to long green pods, which when picked are preserved the same as cucumbers, making a very tasty relish. Sow seeds in April outdoors and transplant so they stand 2 feet apart each way.

Proboscidea. Pkt. 5c. (large pkt 10c.), 15c. ½ oz., oz. 25c., 75c. per ¼ lb.

LEEK (One Ounce of Seed will sow 100 feet of drill.)

Allied to the onion family but producing no bulb, the stalks are cut and used for flavoring soups, also they are boiled and served with melted butter, and make a very palatable dish on account of their mild flavor. Sow seeds in April in rows 1 foot apart, covering the seed about an inch, when about 4 inches high transplant where it is to develop in rich soil in rows 18 inches apart, 6 inches in the row. When fully grown, hill soil against them to blanch them, about Nov. 1st take up the plants and store them in a cool cellar, placing the root end in soil 3 or 4 inches, thus a supply may be had all winter.

Giant Carentan. A variety which produces colossal stalks of tender quality, splendid for exhibition purposes. Pkt. 5c.; large pkt., 10c.; oz., 20c.; 60c. per ¼ lb.; lb., $2.00.

Large Musselburg. Of enormous size, mild flavor and tender. Pkt. 5c. (large pkt. 10c.), 20c. per oz., ¼ lb. 50c. $1.60 per lb.

London Flag. Popular for the home garden, makes a longer but narrower stalk than others. Pkt. 5c. (10c. per large pkt.), oz. 20c., 50c. per ¼ lb., lb. $1.60.

MICHELL'S "ALL RIGHT" LETTUCE (See Cut)
"First in Spring—Last in Fall"

LETTUCE (One ounce of Seed will produce 2500 Plants)

Our Leaflet No. 115 covers the growing of it outdoors and under glass; ask for a copy with your order or otherwise.

HEADING VARIETIES (Kopf Salat)

Michell's All-Right. This is not a variety for forcing, but rather for an early spring crop in the hotbed or outdoors; and for sowing in August for late autumn under sash or outside; where it is not affected by cold, which with some sorts turns them brown. On the other hand, this variety retains a rich green color. The heads are very large, often 12 inches in diameter, very solid and with a rich buttery heart of light yellow. Don't use this variety for a summer crop. Pkt. 10c., 15c. per ½ oz., oz. 25c., 75c. per ¼ lb., lb. $2.50.

Michell's Number One. This lettuce is a positive header under the most trying conditions. It is tender, of a decided buttery flavor, and immensely large. A valuable type for hot weather; also desirable for autumn use. This commands twice the price of other sorts, should not be used for forcing. Pkt. 10c., 15c. per ½ oz., per oz. 30c., $1.00 per ¼ lb., per lb. $3.00.

Michell's Spotted Dutch Butter (*Private Stock*). A medium sized head, light green leaves with a delicate yellow heart. The outer leaves are tinged with brown on the edges, hence the word spotted being applied. This desirable sort is suitable for forcing as well as sowing outdoors in summer. Pkt. 10c., 15c. per ½ oz., oz. 30c., $1.00 per ¼ lb., lb. $2.50.

Spotted Dutch Butter Lettuce (*Usual Strain*). Pkt. 5c. (10c. per large pkt.), 20c. per oz., ¼ lb. 50c., $1.50 per lb.

May King. The first solid head lettuce to mature outdoors, hence its name; it is of good size with a very tender full heart. Suitable for sowing under sash in the early spring; the outside leaves are tinged a golden brown. Pkt. 5c., 10c. per ½ oz., oz. 20c., 60c. per ¼ lb., lb. $2.00

Big Boston. A large flat cabbage-headed variety, splendid for midsummer or fall use or under glass in the early spring and autumn, a delightful shade of light green tinged light brown on the outer leaves. Pkt. 5c. (10c. per large pkt.), 20c. per oz., ¼ lb. 60c., $2.00 per lb.

Mammoth Salamander. One of the best of the midsummer varieties, resisting heat and drought wonderfully and remains in heading condition longer than many others. The heads are enormous, of a fresh green color; the loose leaves can all be used, as they are extremely brittle and tender. This strain is an improvement on the usual form. Pkt. 5c. (10c. per large pkt.), oz. 20c., 50c. per ¼ lb., lb. $1.75.

All Heart. An excellent lettuce for either spring or summer use. The head, while large, has a loose heart, which is of a decided buttery flavor, can be used for sowing in frames or in early summer and spring outdoors. Pkt. 10c., 15c. per ½ oz., oz. 25c., 75c. per ¼ lb., lb. $2.25.

Boston Market. Early small heading variety; one of the best for forcing; the heart is very solid, crisp and pure white. Pkt. 5c. and 10c., 20c. per oz., ¼ lb. 50c., $1.50 per lb.

Cabbage Head Giant. A monster head lettuce with a full heart, desirable especially for summer use; 6 heads will fill a half bushel basket. Pkt. 10c., 25c. per oz., ¼ lb. 80c., $2.75 per lb.

California Cream Butter. A good all-round summer lettuce. Heads are large, compact and well formed. It has a decided buttery flavor. Pkt. 5c. and 10c., 15c. oz., ¼ lb. 40c., $1.25 lb.

Davey's Improved Big Boston. Makes gigantic solid heads; excellent for under glass. 10c. pkt., ½ oz. 20c., 40c. per oz., $1.25 per ¼ lb.

Emperor Forcing. For sowing in greenhouses or in hotbeds. Heads are not large but very solid. It does not make a suitable head outdoors. Color light green, heart tender and buttery. Pkt. 5c. and 10c., 20c. per oz., ¼ lb. 50c., $1.60 per lb.

Wayahead. The earliest hard heading lettuce in cultivation, doing remarkably well either under glass or in the open in spring or autumn. The heart is a golden buttery color, and of delicious flavor. Pkt., 10c.; 15c. per ½ oz.; oz., 25c.; 65c. per ¼ lb.

Early Cabbage or White Butter. A wonderful producer of the largest sized heads; while an older variety, it still is in the lead. Excellent to sow in hotbeds for early spring use, while it may be used continuously until autumn. Color a light green with a rich delicate interior, very hardy. Pkt. 5c. and 10c., 15c. per oz., ¼ lb. 45c., $1.50 per lb.

Hanson Improved. Tremendous solid heads; the outer leaves are curled; the interior is almost white and very tender; stands the heat well, therefore excellent for summer use; this produces probably the heaviest head of lettuce of any variety. Pkt. 5c. and 10c., 20c. per oz., ¼ lb. 50c., $1.50 per lb.

See opposite page for Plants adapted for making Lettuce Dressings

Davey's Big Boston Lettuce— (see page 32)

HEADING VARIETIES—*Continued*

Unrivaled. Very large, light green and of a crisp nature. Very desirable for summer use. As a general all-round variety few lettuces can approach it. Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 60c.; lb., $2.00.

Wonderful. Of the cabbage-headed sorts this is a leader; the color is dark green, with white interior; the heads are large, having curled outer leaves, a popular kind for summer. Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 50c.; $1.75 per lb.

LOOSE LEAF OR CUTTING VARIETIES

For early or midsummer use, seed should be sown very thickly. When pulling the young plants try to do so with an effort to thin out the bed, thus allowing the remaining plants to become large. This class is always tender and is preferred by many to the heading varieties..

Grand Rapids (Special Strain). The leading variety in this class for forcing under glass, but it may also be grown successfully outdoors. The leaves are very curly, crisp and brittle, and have a palatable flavor. Pkt., 5c. (10c. per large pkt.); 20c. per oz.; ¼ lb., 50c.; $1.50 per lb.

Black Seeded Simpson. Ideal for midsummer use, as it withstands the most trying conditions of heat and drought. When matured, presents a formidable loose head with finely fringed leaves. Pkt., 5c. (10c. per large pkt.); 15c. per oz.; ¼ lb., 45c.; $1.50 per lb.

Early Curled Simpson (White Seeded). Similar to the above and adapted especially for earlier growing and use. Pkt., 5c.; 10c. per large pkt.; oz., 15c.; 45c. per ¼ lb.; lb., $1.50.

Silesian. This variety should be cut instead of pulled, as it makes new growth from the same root. A light green color and when given plenty of room will form a large loose head. Pkt., 5c. (10c. per large pkt.); oz., 15c.; 45c. per ¼ lb.; $1.50 per lb.

COS, OR ROMAINE, OR CELERY LETTUCE

Of French origin, this type, as will be seen by the illustration, differs greatly from the American varieties by its peculiar upright growth and its decided flavor. To have it real tender the heads must be tied together at the top so that the inner leaves blanch. It is best adapted to outdoor planting and stands the heat well. When thinning out remember that they require less room than the regular heading varieties.

Kingsholm Cos. The largest and best heading variety of this type. The inner leaves blanch almost pure white and have little or no rib, the heads are very full throughout and therefore contain more edible part. Pkt., 5c. (large pkt., 10c.); 20c. per oz.; ¼ lb., 50c.; $1.50 per lb.

Trianon Self-Folding. The peculiarity of this sort lies in the fact that the crown of leaves overlap each other which closes over the heart, thus rendering it self-blanching. It is very early and ready for use ahead of the Kingsholm variety. Pkt., 5c. (10c. per large pkt.); oz., 20c.; 50c. per ¼ lb.; lb., $1.50.

Kingsholm Cos Lettuce, sometimes called Celery Lettuce

Lettuce Plants

We can supply these at all seasons in heading varieties. 40c. per 100 (postpaid 50c.); $3.00 per 1000.

PLANTS AND SEEDS OF PLANTS USED FOR GARNISHING AND FLAVORING LETTUCE

Tarragon (Estragon). This plant is perfectly hardy and once established remains for years, the foliage is finely cut and spread over the lettuce. It is also put into vinegar, to which it imparts a flavor. Plants, 25c. each; doz., $2.50.

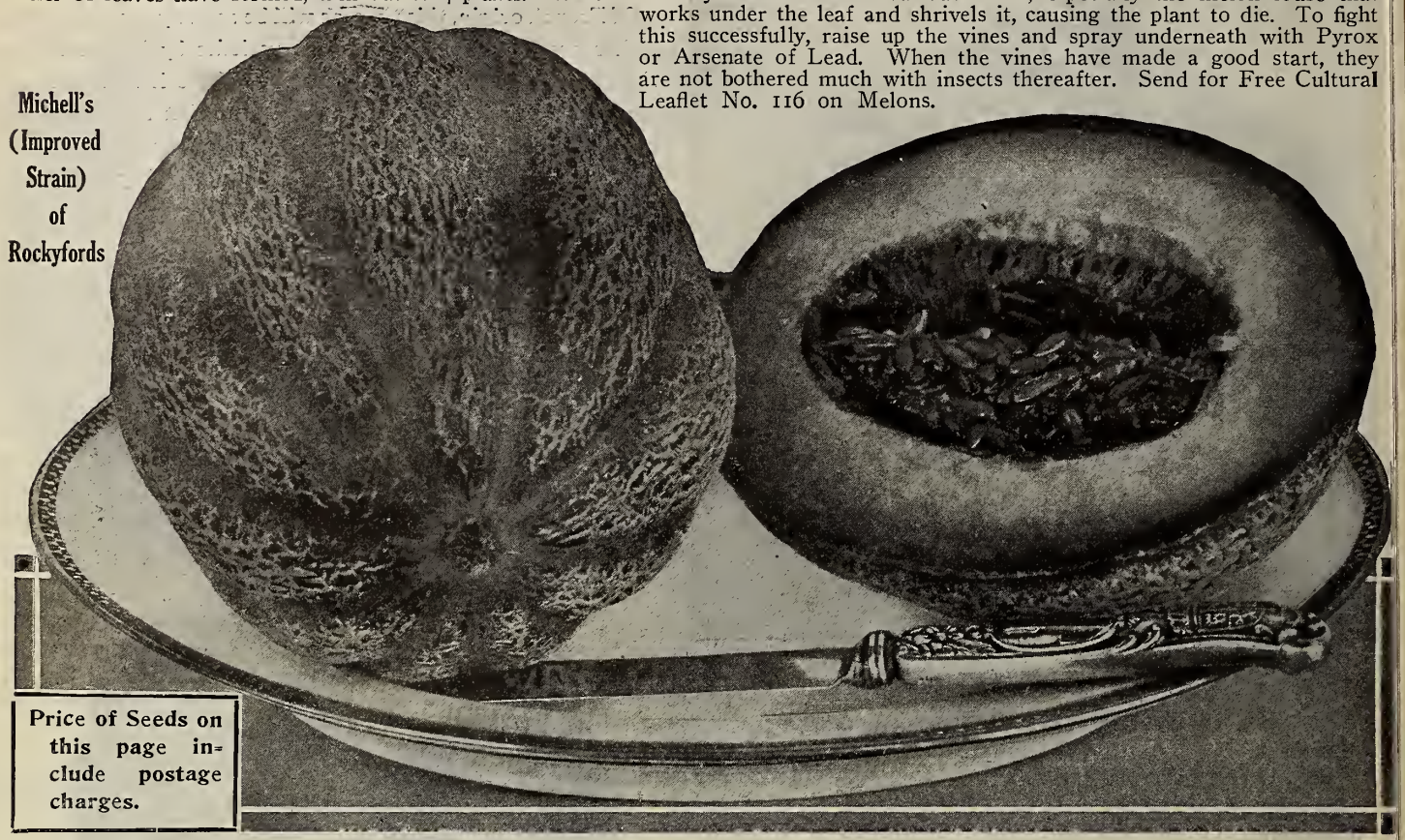
Chervil. One of the most delicious flavoring plants in cultivation, the leaves resemble a fern leaf parsley, are finely cut and mixed with the lettuce, or they can be distributed as gathered on top. To have a succession, sow seed every two weeks. Seed, 5c. pkt. (10c. per large pkt.); oz., 15c.; 50c. per ¼ lb.; $1.75 per lb.

Chives. This possesses a delicate onion flavor liked by many, it adds a piquancy without being objectionable like onion. The top is cut off the plant (not too close) and chopped finely and added in small quantities to the dish of salad. It is hardy and needs to be planted once only. Clumps, 10c. each; doz., $1.00; $7.00 per 100.

MICHELL'S MUSKMELON or CANTELOUPE

One ounce will plant 75 hills; 2½ lbs. for an acre.

While these do best or reach their greatest perfection in a light sandy loam, any good well-prepared garden soil suits them. Plant when the ground has become permanently warm in hills 6 feet apart each way, 8 to 10 seeds in a hill. After the second tier of leaves have formed, thin out to 4 plants. Watch carefully for insects of various kinds, especially the melon louse that works under the leaf and shrivels it, causing the plant to die. To fight this successfully, raise up the vines and spray underneath with Pyrox or Arsenate of Lead. When the vines have made a good start, they are not bothered much with insects thereafter. Send for Free Cultural Leaflet No. 116 on Melons.



Michell's (Improved Strain) of Rockyfords

Price of Seeds on this page include postage charges.

Henderson's Bush. Compact grower; melons like the Jenny Lind variety; flesh green shaded salmon. Of delicious flavor. Pkt., 10c.; 20c. per oz.; ¼ lb., 65c.; $2.25 per lb.

Burrel Gem. Like the Rockyford, except the flesh is a rich orange. With only a small seed cavity. Pkt., 5c. (10c. per large pkt.); 15c. per oz.; ¼ lb., 40c.; $1.25 per lb.

Defender. Salmon flesh, oval-shaped, of fine flavor; medium size, slightly ribbed; an older variety which lately has come into great demand on account of its good qualities. 5c. and 10c. pkt.; oz., 15c.; 40c. ¼ lb.; lb., $1.25.

Eden Gem. An improved Rockyford, but more round in shape and not ribbed, but heavily netted; thick green flesh of delicious flavor. 5c. and 10c. pkt.; oz., 15c.; 40c. ¼ lb.; lb., $1.25.

Emerald Gem. Among the standard varieties, this has long been a leader. The flesh, which is thicker than any other melon of the same shape, is a rich salmon shade and ripens extremely close to the rind. It is exceedingly sweet and one of the melons, when you eat once of, you remember for a long while. Pkt., 5c. (10c. per large pkt.); oz., 15c.; 40c. per ¼ lb.; lb., $1.25.

Extra Early Hackensack. A selection of the old Turk's Cap type, ripening fully a week earlier. It is well netted, deeply ribbed, making it ideal for cutting in slices on account of its large size. The flesh is light green, very thick and ripens well to the rind. The shape is even more flat than the Emerald Gem. Pkt., 5c.; 10c. per oz.; ¼ lb., 30c.; $1.00 per lb.

Fordhook. This is claimed to be one of the best melons ever introduced. Of flat shape like Emerald Gem, on which it is really an improvement. The flesh is a beautiful salmon orange, surprisingly sweet. The fruits are very large, often weighing 2 lbs. each; is an early variety, is valuable and always prolific. The netted rind is very thin and can be eaten very closely. Pkt., 5 and 10.; 15c. per oz.; ¼ lb., 40c.; $1.25 per lb.

Golden Jenny (*Netted Gem*). This resembles the Fordhook variety in shape and style, except that it is not quite so good. Despite that, however, this is exceedingly prolific. Pkt., 5c.; 10c. per oz.; ¼ lb., 30c.; $1.00 per lb.

Andalusia. One of the finest in existence. See page 15.

Hoodoo. Medium size, round shape, of deep orange color, exceedingly luscious, a healthy grower and heavy producer. Pkt., 5c. and 10c.; 15c. oz.; ¼ lb., 40c.; $1.25 per lb.

Jenny Lind. A small, flat, very early sort, heavily netted and ribbed with green flesh, an altogether good variety to plant with others, using this for the first picking. Pkt., 5c.; 10c. per oz.; ¼ lb., 30c.; $1.00 per lb.

Michell's Delicious. This deservedly enjoys a good name, it is one of the very large irregular pumpkin-shaped melons with a smooth silver-gray rind. The flesh is very deep orange-salmon. Pkt., 15c. (2 for 25c.); 30c. per ½ oz.; oz., 60c.; $2.00 per ¼ lb.

Michell's (Improved Strain) Rockyford. The outside is a light green, well-netted, changing to a grayish color. It is mostly all meat, with a very small seed cavity and often weighs a pound and one-half to the fruit. Fine for market or the home garden. Pkt., 5c.; 10c. per oz.; ¼ lb., 30c.; $1.00 per lb.

FORCING MELONS

Forcing melons can be grown successfully outside in hotbeds. Sow seed in pots in March and transplant to hotbed when three leaves have developed; these will ripen fruit in June and July. For indoor use treat same as forcing cucumbers.

Blenheim, Orange, Invincible-Scarlet, Windsor Castle. Each, per pkt., 25c.

Sutton's A1. In original packets, 50c. per pkt.

MELON NETS. For supporting forcing melons in greenhouses; made very strong, will last for a number of crops. $1.00 per doz.; per 100, $7.00.

TESTIMONIAL ON MICHELL'S VEGETABLE SEEDS FROM BRITISH WEST AFRICA

Wukari, B. W. A.

I am enclosing an order for seeds. Those previously purchased from you by Mr. Hoover have done splendidly.

C. W. GUINTER.

On page 15 the new Musk Melon "Andalusia" is described

GRAND NEW WATERMELON, TOM WATSON

(See Cut)

A very handsome large fruit, frequently 2 feet long and 12 inches in diameter. The dark green rind is a contrast to the bright scarlet flesh which, by the way, is of splendid texture and flavor; the sugary meat really melts in your mouth. Nothing can touch it in the melon line for shipping qualities, the rind being tough it will resist plenty of abuse. Pkt. 10c., 15c. oz., ¼ lb. 40c., **$1.25 per lb.**

WATER MELON

One Ounce will plant Thirty Hills, Four Pounds for an Acre

Plant in hills 10 feet apart each way or in drills 10 feet apart, dropping one seed every three feet. A little land plaster dusted over the young plant will keep the beetle away. Water melons require planting after the soil has become thoroughly warm. Ask for Leaflet No. 116, which covers melon growing fully, mailed free if asked for.

Tom Watson Watermelon. See price and description above.

Halbert Honey. An ideal family garden or home market melon. The long fruits with blunt ends are very large and weigh often 50 lbs.; the rind is very thin, dark green while the flesh is a rich crimson. It tastes like a sugar stick, as it melts under the pressure of the tongue. It is very prolific and is altogether a first-rater. Pkt. 5c., 10c. per oz., ¼ lb. 30c., 90c. per lb.

Kleckley Sweets. A sweet one to be sure, with a luscious tenderness all its own. It is not a shipping variety, as the rind sets too close to the ripe fluffy, rich red meat, when in condition to use. The melons average about 20 inches long and ripen quite early. Our strain is grown from the originator's seed stock and we can recommend it highly. Pkt. 5c. 10c. per oz., ¼ lb. 25c., 75c. per lb.

Black Boulder. A mammoth melon with very dark green, almost black rind; it is truly a boulder in a field and well deserves its name. The skin or rind is awfully resisting, covering a delicious mass of rich, red, crisp meat; a great producer and recommended for either home use or the market. Pkt. 5c., 10c. per oz.; ¼ lb., 25c.; 75c. per lb.

Dixie. The name attaches to this variety a peculiar recollection of things truly Southern, where this melon is at home. 'Tis one of the old-time favorites, roundish-long in shape. The skin is dark green, mottled light; the flesh is very sweet and ripens close to the rind. Pkt. 5c., 10c. per oz., ¼ lb. 25c., 70c. per lb.

Cuban Queen. Very similar in description to Dixie, except the melon is of mammoth size; it is very solid and good for shipping or home use. Pkt. 5c., 10c. per oz., ¼ lb. 25c., 80c. lb.

Mountain Sweet. Early and very large, oblong shape, rind dark green; flesh red, solid and sweet, a gigantic variety from whence its name is derived. Pkt. 5c., 10c. per oz., ¼ lb. 25c., 70c. per lb.

Sweet Heart. Handsome oval shape, very large, green and mottled, solid, meaty and sweet, another one of the melons that appeals to one's palate by its inestimable sweetness. Pkt. 5c.; 10c. per oz.; ¼ lb., 25c.; 75c. per lb.

Florida Favorite. Large oblong fruit with striped skin; flesh is brilliant pink, of most delicious flavor; very solid and extremely juicy. Pkt. 5c., 10c. per oz., ¼ lb. 25c., 70c. per lb.

Dark Icing. Large in size, very sweet and luscious; the outside color is a dark green; excellent keeper. Pkt. 5c., 10c. per oz., ¼ lb. 25c., 70c. per lb.

Light Icing. Flesh bright red, outside color very light green, round in shape, similar to Dark Icing, except the color of the rind. Pkt. 5c., 10c. per oz., ¼ lb. 25c., 80c. per lb.

PRESERVING CITRON OR MELON

A large-fruited variety, pure white flesh and thin rind. This is expensive when bought, yet can be grown and preserved by any energetic housewife, who will then also know it to be absolutely pure and good. It is planted like watermelon.

Red Seeded. Pkt., 5c.; 10c. per oz.; ¼ lb., 25c.; 70c. per lb.

MANGEL WURZEL (*See Cattle Beet on page 21*)

Price of all Vegetable Seeds on this page includes postage charges

Price of all seeds on this page (except Mushroom Spawn) includes postage charges.

MUSHROOM SPAWN

Mushrooms are within the reach of any one who has a greenhouse or a cellar. A crop is produced with good spawn, a little care and patience in about 4 to 6 weeks, and continues in bearing about two months. New beds can be started at intervals which will give a supply the entire season. The first planting can be made in July, the last in March. Summer spawned beds do not bear well. Ask for our Free Booklet on Mushroom Culture, which also describes, further, these different spawns.

BRANDYWINE PURE CULTURE SPAWN

This is an entirely new strain originating in the section of Pennsylvania that supplies the New York and Eastern markets with mushrooms. It appears to be especially full of life and we can recommend it as an early and prolific producer; mushrooms are uniform and almost pure white in color.

Per Brick	$0.30	10 Bricks	$2.30
" " postpaid	.40	25 "	5.60
5 bricks	1.25	50 "	10.50

LAMBERT'S AMERICAN PURE CULTURE SPAWN

This type produces larger mushrooms than the English, coming into bearing somewhat earlier, and continuing to crop for a long time. This spawn is produced by selecting spores from individual specimen mushrooms and is propagated and transferred to the bricks of manure, which, when planted, produce mushrooms all of one type.

Standard No. 8 Cream White. For use from April to October.
Standard No. 9 Pure White. For use from October to April.

Prices of Pure Culture Spawn. Standard Bricks.

Per brick, about 1¾ lbs.	$0.25	10 bricks	$2.00
" " postpaid	.35	25 "	4.00
5 bricks	1.10	50 "	7.00

Direct No. 8 Cream White. For use from April to October.
Direct No. 9 Pure White Type. For use from October to April.

Prices of Pure Culture Spawn. Direct Bricks.

This strain is the earliest and produces a greater quantity than the "Standard."

Per brick	$0.30	10 bricks	$2.30
" " postpaid	.40	25 "	5.60
5 bricks	1.25	50 "	10.50

MICHELL'S SUPERIOR ENGLISH MUSHROOM SPAWN

15c. per brick (25c. postpaid); per doz., $1.60; 25 lbs., $2.50: $8.00 per 100 lbs.

MUSHROOM OR HOT BED THERMOMETERS

Heavy Iron Point style..$1.00 | Heavy Brass Point style..$1.50
Thermometers should, wherever possible, be sent by express.

Books on Growing Mushrooms

Pamphlet (gratis for a postal card asking for it).
Robinson's Book (postpaid) $0.50
Falconer's Book (postpaid) 1.00

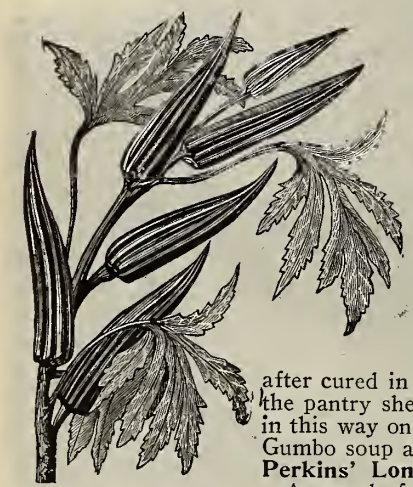
TESTIMONIAL

So. Manchester, Conn.

Henry F. Michell Co., Philadelphia.

Dear Sirs:—Enclosed please find a check due you, also an order for seeds. The *Mushroom Spawn* I got from you last fall is the best I ever had. Yours truly,

Peter Zuger.



Perkins' Improved Long Pod Okra

OKRA OR GUMBO

One Ounce will sow 20 ft. of row; one lb. about 300 ft.

The seed is sown in rows, thickly like peas (in ground that is rich, after the frost and cold has disappeared), in rows 3 feet apart, when about 6 inches high it should be thinned out to stand 6 inches apart in the row. The pod is used when young and tender sliced in soups and stews; what is not utilized during the summer may be harvested, cut in slices and dried in the sun; after cured in this way it should be put on the pantry shelf for use during the winter, in this way one may have delicious Chicken Gumbo soup any day of the year.

Perkins' Long Pod (Improved Strain). A wonderful dwarf type, setting pods when only a foot high. It can be planted somewhat earlier than other sorts and consequently matures sooner. The pods are exceedingly long and tender and of a dark green color. Pkt. 5c., 10c. per oz., ¼ lb., 20c.; 60c. per lb.

Dwarf Green, Improved. A very desirable sort, immensely productive, bearing very long pods well filled. It is somewhat later than the Perkins strain and the pods are not quite so great in diameter. Pkt. 5c., 10c. per oz., ¼ lb. 20c., 60c. per lb.

White Velvet or Creole. The pods of this variety are very free from ridges, being almost perfectly smooth; they are tender and very light green almost white in color. Pkt. 5c., 10c. per oz., ¼ lb. 20c., 60c. per lb.

MICHELL'S CULTURAL LEAFLETS

For the special benefit of the amateur (also the experienced gardener, if he wants them) we have prepared a series of instructions how to successfully grow some of the most important vegetables; they cover, in some instances, the proper cooking method and winter storage. **THESE LEAFLETS ARE FREE** and can be asked for at any time, whether accompanied by an order or otherwise. **Ask for them by number, it saves time.**

No. of Leaflet		No. of Leaflet	
101	**Artichoke.**	117	**Mushrooms.**
102	**Asparagus.**	118	**Onions.**
103	**Garden Beans.**	119	**Peanuts.**
104	**Beets** (Table and Cattle).	120	**Parsley and Parsnips.**
105	**Brussels Sprouts.**	121	**Garden Peas.**
106	**Cabbage.**	122	**Peppers.**
107	**Carrot.**	123	**Potatoes.**
108	**Cauliflower.**	124	**Pumpkin and Squash.**
109	**Celery.**	125	**Radish.**
110	**Sugar Corn.**	126	**Spinach.**
111	**Cucumber.**	127	**Sweet Potatoes.**
112	**Egg Plant.**	128	**Swiss Chard.**
113	**Herbs** (Kitchen Garden).	129	**Tomatoes.**
114	**Kohl Rabi.**	130	**Turnip and Ruta Baga.**
115	**Lettuce.**	131	**French Winter Salads.**
116	**Melons.**		

Prizetaker Onion

Southport White Globe. A beautiful type of an almost round onion, growing to enormous size. This is perhaps the best Onion of all for family use. The flesh, when cooked, is of a rich milky color, tender and delicious flavor and in the raw state it is one of the mildest. Pkt., 5c. and 10c.; 15c. per ½ oz.; oz., 25c.; 80c. per ¼ lb.; lb., $3.00.

White Barletta. Extra early small round variety used principally for pickling. Pkt., 5c. (10c. per large pkt.); 15c. per ½ oz.; oz., 20c.; 70c. per ¼ lb.; lb., $2.25.

Bermuda White. An early variety producing an immense globe-shaped bulb, producing (if when transplanted about 4 inches apart) gigantic onions the first season. Pkt. 10c., 15c. per ½ oz., 1 oz. 25c., 75c. per ¼ lb., 1 lb. $2.75.

Bermuda Red. Similar in every way except color to the aforegoing variety. Pkt. 10c., 15c. per ½ oz., 1 oz. 25c., 75c. per ¼ lb., 1 lb. $2.75.

ONION

For full size onions, one ounce seed will sow a 100 ft. row; 5 to 6 pounds per acre. If it is desired to grow onion sets, sow 25 to 30 pounds per acre.

Sow in the early spring in rows 2 feet or less apart, according to cultivation method employed. The seed should be firmed in the soil. If it is desired to grow full size onions the first year, thin out when three inches high, so that they stand about two or three inches apart. White onions are mildest in flavor and are recommended for early use. The yellow sorts are best for winter keeping. Cultural Leaflet No. 118 gives excellent instructions in regard to onion growing. Ask for a free copy.

Ailsa Craig. The largest of all onions, often weighing three lbs. and over, each. In England it is the foremost variety and will be seen there on exhibition during all vegetable shows. It is globe-shaped, slightly pointed at the top and base; the color is a beautiful straw yellow. To obtain best results sow seed in the hotbed and later transplanted where it is to grow; in planting place 4 to 6 inches apart and thus procure gigantic specimens. 10c. pkt.; ½ oz., 15c.; 30c. oz.; ¼ lb., $1.00; lb., $3.00.

Prizetaker. This mammoth yellow variety if sown thinly produces full size onions in one season from seed, rivaling with the Bermuda varieties for size and flavor, often weighing 3 lbs. and more. Pkt. 5c. (10c. per large pkt.), oz. 20c., 60c. per ¼ lb., $2.00 per lb.

Danver's Yellow Globe. This almost round in shape onion is extensively sown by the private and market gardener on account of its good keeping qualities. It is a dark straw color and always produces a good crop, growing to large size. Pkt., 5c (10c. per large pkt.); oz., 15c.; 50c. per ¼ lb.; lb., $1.75.

Southport Yellow Globe. Similar to the Danvers except larger in size, more like the Prizetaker. This is probably one of the most uniform growing varieties, every bulb being almost perfectly round and of the same size; light straw colored skin. Pkt., 5c. (10c. per large pkt.); oz., 20c.; 50c. per ¼ lb.; lb., $1.75.

Yellow Strasburg (*or Dutch*). A dark straw color skinned sort, almost flat in shape but a large onion. Its fine keeping qualities is what recommends itself to the home as well as the market gardener. For a yellow sort it is rather mildly flavored; for growing sets more of this variety is sold than any other; one of the best winter keepers. Pkt. 5c. (10c. per large pkt.), oz. 15c., 40c. per ¼ lb., lb. $1.50.

Large Red Wethersfield. A flat large growing variety. This class are excellent winter keepers, being flavored much like the yellow sorts; full size onions can be grown from the seed in one season. Pkt., 5c. (large pkt., 10c.); oz., 20c.; ¼ lb., 50c.; lb., $1.50.

White or Silver Skin. The standard white onion for market or home use, it is of very mild flavor, semi-globe shaped and is very uniform in growth and size. Pkt. 5c. (10c. per large pkt.), ½ oz., 15c.; 25c. per oz.; ¼ lb., 65c.; $2.25 per lb.

ONION CULTURE, a good book by a Practical Grower, 20c. per copy

ONION SETS

One quart will plant a row about 50 feet.

Used for an early crop of onions, and should be planted just as soon as the ground can be worked. Press the bulb in the ground lightly and do not cover; in rows 12 inches apart, 2 inches apart in the row; so that all the development goes in the onion; on signs of their going to seed, bend the top over, but do not break it off. They can be harvested in this locality for winter storage as early as July 10th. The advantage in planting sets lies in the fact that the young onion is ready in 5 weeks from time of planting, while those grown from seed cannot be used until well in the autumn.

Shipped on Local Orders about March 10, unless otherwise requested

If wanted by mail add 5c. per pint and 10c. per quart for postage.

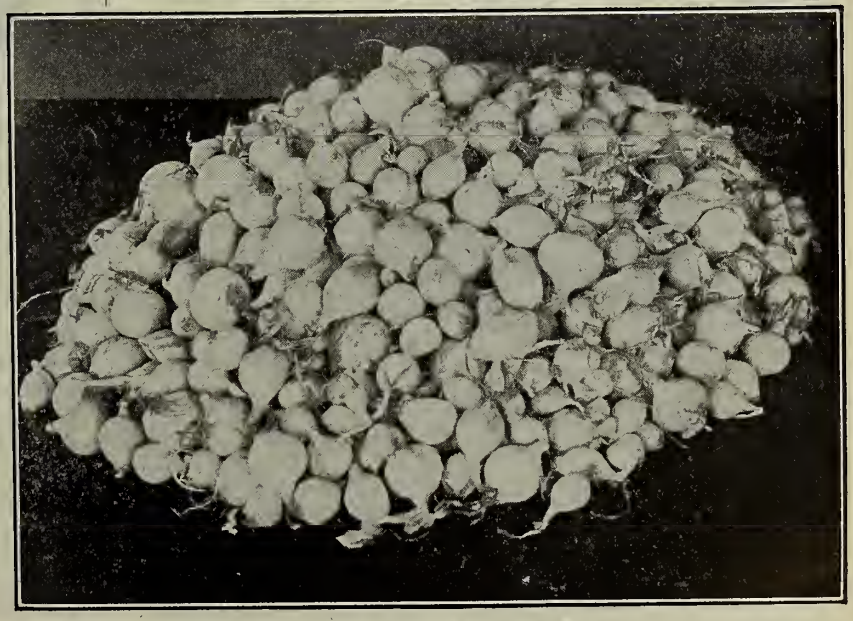
	Pint	Quart	4 Quarts	8lb. Pk.	32-lb. Bu.
Yellow	$0.10	$0.20	$0.70		
White	.13	.25	.90		
Red	.13	.25	.90		
White Multiplier.	.15	.25	.90		
Potato Onion	.15	.25	.90		
Shallots	.15	.30	1.10		

Prices change constantly. Price for larger quantities than here quoted on application.

Tree or Top Onions. Can be supplied in Sept. and Oct.

Garlic Sets. Per lb., 30c.; 10 lbs. for $2.50.

We give 32 lbs. per bushel on Onion Sets.



Choice Home Grown Onion Sets

Ask for Cultural Leaflet No. 118 on Onions

MICHELL'S GARDEN PEAS

1 qt. will plant 100 ft. of row, one and a half to two bushels per acre

Allow for Postage if wanted by mail. Peas weigh 1 lb. per pint, 2 lbs. per qt.

Large Pkts. of all Varieties 10c. Postpaid.

The smooth seeded varieties can be sown as soon as the ground is open; the wrinkled sorts when the ground has become warmer. The distance for planting apart depends somewhat on the variety. To have a continuous crop, sow weekly up to June 15th, and again August 15th. For the last planting, 60 days before frost, use the dwarf early varieties. Cultural Leaflet No. 121 covers the growing of peas thoroughly, it is free.

EXTRA EARLY VARIETIES

Alaska. Smooth seeded, very early, height 2½ feet. 15c. per pt.; 30c. per qt.; 4 qts., $1.10; $2.00 per peck.

Ameer. A very large podded early pea, following the Alaska. It is a heavy cropper. Pt., 20c.; 35c. qt.; 4 qts., $1.25; $2.25 per pk.

American Wonder. The earliest wrinkled dwarf variety, exceedingly sweet, height 10 to 12 inches. 20c. per pt.; per qt., 35c.; $1.25 per 4 qts.; peck, $2.25.

Bountiful. A bluish round pea of large size. The pods are very large and well filled; it is very early, a good cropper, suited to the first and last planting, grows 24 to 30 inches high. Pt., 20c.; 35c. qt.; 4 qts., $1.25; $2.25 per peck.

Dandy Extra Early. These are a selection of the Eureka, but will be found far superior; smooth seeded, very prolific and desirable for the kitchen garden, height 24 inches. Per pt., 20c.; 35c. per qt.; per 4 qts., $1.30; per peck, $2.25.

Early June. A green seeded smooth pea, desirable for first planting, an improvement on Alaska; height, 2½ feet. 20c. per pt.; per qt., 30c.; $1.10 for 4 qts.; peck, $2.00.

Early Morn. One of the earliest of wrinkled peas, earlier and better, it is claimed, than Gradus or Thos. Laxton. The pods are large and well filled, mature in 60 days and is very prolific. Pt., 20c.; 40c. per qt.; 4 qts., $1.40; $2.75 per peck.

Eureka. A great producer and extremely early, smooth seeded; height, 24 inches. 15c. per pt.; qt., 30c.; $1.10 per 4 qts.; per peck, $2.00.

Premium Gem (*or McLean's Little Gem*). Similar to American Wonder, but a heavier producer, wrinkled seed; height, 18 inches. 20c. per pt.; per qt., 35c.; 4 qts., $1.25; $2.25 per peck.

Laxtonian. A real sweet marrowfat extra early variety, growing about 12 inches high; very prolific and deserves extensive planting. Pt., 20c.; 40c. qt.; 4 qts., $1.40; $2.50 per pk.; bushel, $10.00.

Gradus Peas

Gradus or Prosperity. Never was there a pea offered which is so greatly demanded as this very early sort. It is exceedingly luscious, wrinkled and a producer of gigantic pods and peas; height, 36 inches. 25c. per pt.; qt., 45c.; 4 qts., $1.60; per peck, $2.75.

Little Marvel. Wrinkled; dwarf, 18 to 20 inches; prolific and sweet. Pt., 20c.; 40c. qt.; 4 qts., $1.40; $2.50 peck.

Michell's Special Ex. Early. Of the smooth seeded sorts this is the peer. Extremely early, lusciously sweet and very tender, a grand yielder; height, 24 inches. 25c. per pt.; 45c. per qt.; 4 qts., $1.75; $3.25 per peck.

Nott's Excelsior (*Improved Strain*). A splendid early wrinkled pea, producing heavy crops of full pods very early. One of the leading varieties for the home or market garden. Height, 15 inches. 25c. per pt.; qt., 40c.; 4 qts., $1.50; $2.75 per peck.

Nott's Excelsior (*Usual Strain*). Pt., 20c.; 35c. per qt.; per 4 qts., $1.20; peck, $2.25.

Use "Farmogerm" on your Garden Peas; see Page 57

MICHELL'S GARDEN PEAS—*Continued*

Large Pkts. all Varieties 10c. Postpaid

If pints and quarts of peas are wanted by mail allow for postage. 1 pt. weighs 1 lb., 1 qt. weighs 2 lbs.

EXTRA EARLY VARIETIES—*Continued*

Sutton's Excelsior. This wrinkled variety is quite hardy and can be planted very early. It is dwarf, growing about 16 inches and makes a long broad pod, well filled; it follows the extra sorts and is a great producer. Pt., 25c.; 40c. qt.; 4 qts., $1.40; $2.25 per peck.

Thos. Laxton. On a par with Gradus in quality, heavy producer, wrinkled, exceedingly early. The pods are large and filled to the tip with large Peas of excellent flavor. Its strong vine and heavy cropping qualities make it very suitable for an early crop in the private garden; height, 36 inches. 25c. per pt.; qt., 45c.; $1.60 for 4 qts.; pk., $2.75.

SECOND EARLY VARIETIES

Potlatch. A grand wrinkled variety, similar to Daisy, very sweet, produces pods well filled with peas. 20c. pt.; qt., 35c.; $1.30 per 4 qts.; peck, $2.50.

Bliss Abundance. Produces very large pods containing six and even more peas of a delicious flavor; a great yielder; wrinkled; height, 20 inches. Per pt., 15c.; 30c. per qt.; per 4 qts., $1.00; $1.80 per peck.

Daisy or Dwarf Telephone. One of the best medium early sorts, bearing heavy pods in the greatest abundance; wrinkled and very sweet; height, 18 inches. Per pt., 20c.; 35c., per qt.; $1.25 for 4 qts.; pk., $2.25.

Harvester (New) This is a grand variety for the home garden. The past summer, under adverse conditions, this variety yielded handsomely compared with other varieties at our trial ground. The pods contain frequently as many as 10 peas of delicious quality. It is wrinkled, grows about 18 inches high and is a grand producer. 25c. per pt.; qt., 50c.; $1.75 for 4 qts.; peck, $3.25.

Heroine. A fine wrinkled variety, claimed to be one of the finest peas in existence; height, 2 feet; a great cropper. Per pt., 20c.; 35c. per qt.; 4 qts. $1.25; peck, $2.25.

Long Island Mammoth. Largely in use among private and market gardeners; it yields handsome large peas, very tender; height, 3½ feet. Per pt., 15c.; 30c. per qt.; 4 qts., $1.10; $2.00 pk.

Pride of the Garden. An excellent dwarf variety for early summer use; pods containing as many as nine peas. 25c. pt.; 50c. qt.; 4 qts., $1.75; $3.00 pk.

Quite Content. An improved variety of Alderman having a large pod, frequently 5½ inches long, which contains often 9 to 10 peas, it grows usually 5 to 6 ft. high, and is in bearing a long while; one of the best of the recent English introductions. 25c. pt.; qt., 45c.; $1.50 per 4 qts.; peck, $2.75.

Idlewood, N. J., June 23, 1914.
The Telephone Peas purchased from you this spring are the best I have ever seen. My patch of these is a great show. I made my first picking June 21st.
MAX LANDGRAF.

GENERAL OR LATER CROP VARIETIES

Champion of England. A very tall rank grower, but a wonderful yielder of delicious quality peas; seed wrinkled; height, 5 feet. Per pt., 15c.; 30c. qt.; 4 qts., $1.10; $1.75 per peck.

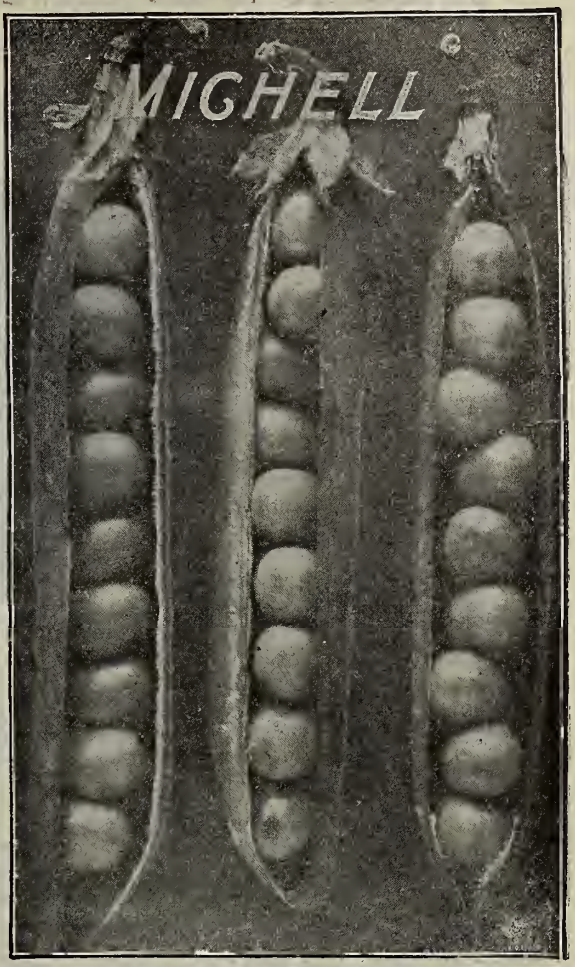
Dwarf Champion. Possesses most all the good qualities of the famous Champion of England, and having the further advantage of being dwarf; a very delicious pea which should be planted largely; height, 2 feet. Per pt., 20c.; 35c. per qt.; $1.25 for 4 qts.; pk., $2.25.

Stratagem (*Improved*). Immense pods containing an abundance of good, large tender peas; seed wrinkled; height, 20 inches. Per pt., 20c.; 35c. per qt.; 4 qts., $1.25; $2.25 per peck.

Telephone (Tall). The finest late wrinkled pea grown; exceedingly sweet; an abundant producer; height, 3½ feet. Per pt., 15c.; 30c. per qt.; 4 qts., $1.10; $2.00 per peck.

White Marrowfat. Another mealy variety used for cooking with meats; height, 3 feet. 15c. per pt.; 25c. per qt.; 90c. for 4 qts.; pk., $1.50; $6.00 per bu.

SIX FIRST CLASS PEAS
Michell's Spec. Ex. Ea., Notts Excelsior, Harvester, Gradus, Thos. Laxton, Quite Content.



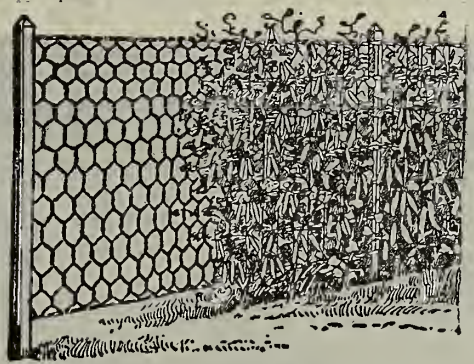
Michell's Tall Telephone Peas

SUGAR OR EDIBLE POD PEAS

This type produces large, well-filled pods. The latter are cooked with the peas intact. They are very tender and exceedingly sweet.

Dwarf Sugar. Gray seed; height, 2 feet. 20c. pt.; 40c. per qt.; $1.50 for 4 qts.; peck, $2.75.

Melting Sugar. White seed; height, 4 feet. 20c. pt.; qt., 40c.; $1.50 per 4 qts.; peck, $2.75.



PEA TRELLIS

The ideal support for garden peas, neater, more economical than brush; can be rolled up when through with and stored, taking very little space. Made of strong galvanized netting and substantial uprights, neatly painted and finished; indestructible and will last for years. Ten ft. sections, 48 inches high, $1.00 per section; 10 sections for $8.50.

Farmogerm for Garden Peas. Means bigger crops, healthier vines, early and more continuous crops. Per trial bottle 50c.; $2.00 per acre bottle. It will pay you to use this when you plant peas. (See page 57).

MICHELL'S Maine Grown SEED POTATOES

Plant 12 to 14 bushels per acre

TIME OF SHIPMENT.—Potato shipping with us commences about March 15th (weather permitting), unless otherwise requested. We can ship them at customers risk any time during cold weather.

☞ Our potatoes are put up in barrel sacks of 165 lbs. each. Shipment in barrels can be made at a cost of 30c. each for barrels.

☞ Prices of larger quantities of White Potatoes than quoted below on application; for the reason that the value of potatoes fluctuates constantly. Customers, however, entrusting us with their orders, will be assured that they will be charged the lowest possible price for strictly Maine grown seed.

GOVERNMENT INSPECTED STOCK

Michell's "Beats Them All" Seed Potatoes

EARLY SORTS

Beats Them All (*Michell's*). This famous variety was sent out by us, and has given the best results wherever tried, yielding more than any other early potato, quality fine, extremely early, coming in about one week or ten days earlier than Early Rose. ½ pk., 40c.; 75c. per pk.

Beauty of Hebron. Somewhat earlier than Early Rose, otherwise very similar, good yielder. ½ pk., 30c.; 50c. per pk.

Bliss Triumph or Red Bliss. A very early thin-skinned variety, they are frequently offered as southern or Bermuda grown potatoes. ½ pk., 30c.; 50c. per pk.

Bovee. Earlier than Early Rose; good form and quite a yielder; quality excellent; pink flesh; cooks white; dwarf in growth. ½ pk., 30c.; 50c. per pk.

Early Ohio. A seedling of the Early Rose, ripens about a week earlier; excellent quality. ½ pk., 30c.; 50c. per pk.

Early Rose (*Houlton or Maine*). A leading variety for earliness, quality and productiveness. ½ pk., 30c.; 50c. per pk.

Early Standard. Extremely early, good keeper, uniform in size, producing principally large potatoes. Pure white cooker. ½ pk., 35c.; 60c. per pk.

Irish Cobbler. A splendid sort, almost entirely round in shape; good quality; heavy producer. ½ pk., 30c.; 50c. per pk.

Noroton Beauty. The earliest and most productive potato grown, and of superb table qualities. It is the best all-round potato in existence; red skin. ½ pk., 40c.; 65c. per pk.

LATE OR GENERAL CROP VARIETIES

Gold Coin. A handsome yielder; produces potatoes of the most excellent quality. ½ pk., 30c.; 50c. per pk.

Green Mountain. An excellent general crop variety. ½ pk., 30c.; 50c. per pk.

Sir Walter Raleigh. A white-skinned main crop potato, resembling Rural New Yorker. One of the best of the late sorts. ½ pk., 30c.; 50c. per pk.

State of Maine. An old favorite, grown by every gardener; good keeper. ½ pk., 30c.; 50c. per pk.

White Star. As a kitchen garden variety, or sort for commercial use, there are few as good; excellent for baking; long in shape. ½ pk., 30c.; 50c. per pk.

We can also supply all other varieties of Seed Potatoes.

POTATO SCAB DESTROYER

A pint of solution which dilutes in water is sufficient for treating 20 bu. of potatoes, which should be laid therein for 2 hours before cutting. Pt. 50c.

PLANTS OF SWEET POTATOES (*See page 49*)

Michell's "Early Rose" Seed Potato

SELECTED SEED SWEET POTATOES

Yellow Nansemond. Qt., 20c.; ½ pk., 60c.; pk., $1.10; ⅜ bu. basket, $1.75.

Red Nansemond. Qt., 20c.; ½ pk., 60c.; pk., $1.10; ⅜ bu. basket, $1.75.

Owing to the perishable nature of Sweet Potatoes, all shipments of these are made at purchaser's risk, and can be sent by **express only.**

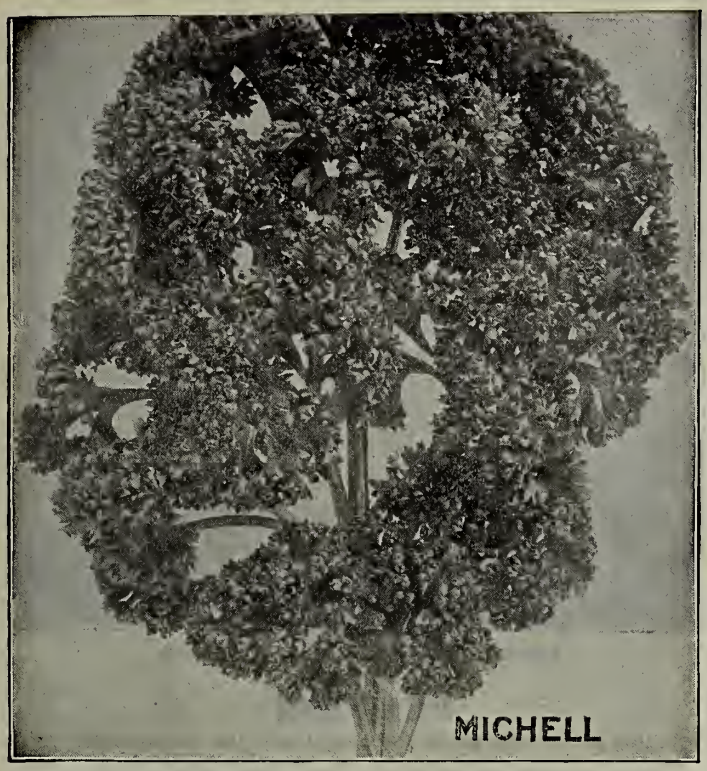
SPECIAL OFFER—FREE

To each purchaser (desiring it) ordering 1 bbl. sack or more of any one variety of Seed Potatoes, if asked for, we will **mail free** or include with order, where possible, a copy of **Potato Culture** (by Rogers). This book costs 50c. and can be bought independent of a potato order at this price.

CONCAVE POTATO KNIVES

For cutting out the eyes of seed potatoes prior to planting. Made of best steel with concave blade. 25c.; 3 for 70c., postpaid.

Cultural Leaflet No. 123 on White Potatoes; No. 127 on Sweet Potatoes; "FREE" (hc)



Double Curled Covent Garden Parsley

PARSLEY PLANTS (*Ready in April*)

Large specimens, pot-grown, ready for use. 50c. per doz., per 100 $4.00. These plants cannot be mailed satisfactorily.

Chinese Giant Pepper

PEPPER PLANTS (*Ready in May*)

Pot Grown Plants. 50c. per doz., per 100 $4.00.
Hotbed Grown. 20c. per doz., per 100 $1.25.

PARSLEY One ounce will sow a row 100 ft. long

After soaking the seed for a few hours in warm water, it may be sown in rows 18 inches apart and when 2 inches high thin out to stand 4 inches apart in the row. It takes parsley seed from 3 to 6 weeks ordinarily to germinate, so that a little patience in growing this is a necessary requisite. Cultural directions are fully covered in Leaflet No. 120, ask for a copy.

Champion Moss Curled. Beautifully crimped and curled. It can be cut the year round. Pkt. 5c., 10c. per oz., ¼ lb. .35c., $1.25 per lb.

Double Curled or Covent Garden. A great improvement over all other varieties; a nicely curled leaf which has a tendency to retain its deep green color the entire season. Pkt., 5c.; 10c. per oz.; ¼ lb., 30c.; $1.00 per lb.

Hamburg or Rooted. The fleshy roots are used for flavoring soups, stews, etc. Pkt., 5c. (10c. per large pkt.); oz., 15c.; ¼ lb., 40c.; $1.25 per lb.

TESTIMONIAL

Bozman, Montana.

Thanks for promptly filling my order. We've always been pleased with your seeds.

TRACY FLORAL CO.

PEPPER One ounce of seed produces 1200 plants

Sow the seed in a hotbed or window box about March 1st, transplant to the open when all danger from frost is over. Set plants in rows 3 feet apart, 15 inches in the row. For complete cultural directions send for Leaflet No. 122, mailed free or included with orders.

New Apple Pepper. A variety of novel appearance, having the form of an apple standing upright on the plant; first green it afterwards turns a brilliant red, very mild in flavor. For prolificness nothing can surpass it, beginning very early it continues to bear until killed by frost; about 3 inches in diameter. Choice seed grown at our Evergreen Seed Gardens (limited supply). 10c. pkt., 3 pkts. 25c.

Chinese Giant. This is a real monster pepper, perfectly sweet, the fruit is green turning to bright scarlet, matures very late, a very shy seeder. Fine for stuffed mangoes Pkt., 10c.; 25c. ½ oz; oz., 45c.; $1.50 per ¼ lb.

Large Bell or Bull Nose. The standard pepper for either market or home consumption. Very thick flesh, perfectly mild, and a great producer. The large fruits are green, but later turn a vivid scarlet; fine for slicing on tomatoes or stuffed as mangoes. Pkt., 5c. (10c. per large pkt.); ½ oz., 15c.; oz., 25c.: 80c. per ¼ lb.

Neapolitan. This variety is an excellent one, grows a long shape and somewhat narrow; it stands upright on the bushes. The fruit is sweet and bright red; a very early sort. Pkt. 10c., ½ oz., 15c.; oz., 30c.; $1.00 per ¼ lb.

Large Sweet Spanish. A variety rivaling with Chinese Giant, is, however, not as large. Color and shape very similar, also late in maturing; for mangoes or pepper hash this is an ideal sort. Pkt. 5c. (10c. per large pkt.), ½ oz. 15c., oz. 25c., 80c. per ¼ lb.

Hot Bull Nose. This variety is identical with the Sweet sort bearing the same name, except it is used where a stronger flavor is wanted and cannot be served as a mango. Pkt. 5c. (10c. per large pkt.), ½ oz. 15c., 30c. per oz., ¼ lb. $1.00.

MISCELLANEOUS PEPPERS

Cayenne. A long red variety, very hot and used principally for bunching with pot herbs. Pkt. 5c. (10c. per large pkt.), ½ oz. 15c., oz. 25c., 80c. ¼ lb.

Celestial. A Chinese variety bearing roundish upright pods of various colors on one bush, this makes a decorative plant for the garden. Pkt. 5c., ½ oz. 15c., oz. 25c., 80c. per ¼ lb.

Ruby Giant (*New*). Very large; adapted for stuffing; mild flavor. Pkt., 10c.; 20c. ½ oz.; oz., 35c.; $1.25 per ¼ lb.

Golden Dawn. A large yellow variety, shaped like the Chinese Giant, very sweet. Pkt. 5c., ½ oz. 15c., oz. 25c., 80c. per ¼ lb.

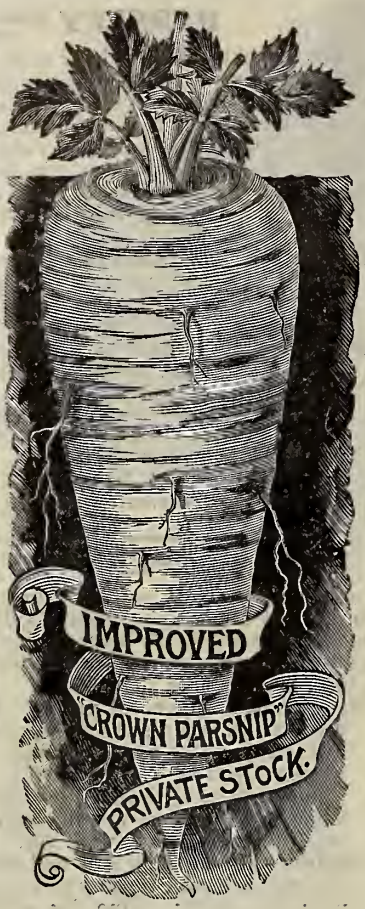
Red Cherry. A small upright growing sort; very hot in flavor. Pkt. 5c., ½ oz. 15c., oz. 25c., 85c. per ¼ lb.

Ruby King. A large red variety resembling Bull Nose. Pkt. 5c.; ½ oz., 15c.; oz., 25c.; 90c. per ¼ lb.

Small Chili. Used principally for seasoning and making sauce; the small very narrow red pods are very hot; in a dried state they are an excellent tonic for the parrot. Pkt. 5c., ½ oz. 15c., oz. 25c., 85c. per ¼ lb.

PARSNIP

One ounce will sow a row 150 feet long; 5 lbs. per acre.



Sow early in the spring in drills about 24 inches apart, covering the seed slightly, when the plants are 2 or 3 inches high, then thin out so the roots will develop; cultivate well during the growing season. The roots are especially good when slightly frosted; they may be left in the ground all winter or taken up and stored in the cellar. There are several ways of preparing them for the table, the best one probably being browning or roasting them in the oven with a choice roast of meat; cooked in this manner they excel the finest sweet potato. Send for Cultural Leaflet No. 120 on growing and storing parsnips.

Improved Sugar or Hollow Crown. A very thick broad-topped root, which makes it easily lifted. Flesh is very fine grained and sweet, while the outer surface is smooth and almost white, it yields enormous crops growing to a large size. Pkt. 5c., 10c. per oz., ¼ lb. 25c., 75c. lb.

Gurnsey or Student. Slightly shorter than the Hollow Crown variety with a somewhat broader top or shoulder; it can also be sown a trifle later if necessary. Pkt. 5c., 10c. per oz., ¼ lb. 25c., 75c. lb.

PEANUTS

One bushel nuts unshelled will plant an acre, but shell must be removed beforehand.

It is generally believed peanuts cannot be grown anywhere north of Virginia, but this is a mistake, most any well drained garden soil suits them, where they will yield a big crop. The peanut plant rather enriches the soil instead of impoverishing it, as it is an abundant gatherer of free nitrogen. A few important points are necessary in growing them and these are elaborated on in special Culture Leaflet No. 119, which may be had free for the asking.

Selected Virginia, 15c. pint (by mail 20c.), 25c. qt. (by mail 35c.), 50c. for 4 qts., peck 75c.

POT MARIGOLD HERB (Annual)

Used extensively for medicinal purposes of various kinds. See Cultural Leaflet No. 113 covering herbs. Pkt. 5c., 10c. per ½ oz., oz. 15c.

ILOILO (PANAY), PHILLIPINE ISLANDS.

Send me at once the enclosed order. Your seeds beat anything I've ever had in that line.

CAPT. JESSE M. BAKER,
Quarter-Master, U. S. A.

SANTA LUCIA, HONDURAS, CENTRAL AMERICA.

Please send me this order at once, despite being over 5,000 feet above sea level here, your seeds have always been satisfactory. *H. A. OWEN.*

Pumpkin—Large Tours or Mammoth

PUMPKIN

One ounce will plant 25 hills; 4 to 6 lbs. for an acre.

Plant any time after the ground has become permanently warm, about four seeds to the hill; the latter to be about 8 feet apart each way. To obtain strong vines they may be pinched back somewhat, and if large specimens are desired, leave but one or two pumpkins on a vine. Do not plant near other vine crops, as they may hybridize the latter and spoil the taste; they can also be planted among corn after the last working. Cultural Leaflet No. 124 covers pumpkin growing, and is free.

Large Tours or Mammoth. The biggest pumpkin in cultivation, producing fruits that often weigh 200 lbs. When fully ripened it is of a golden orange color, free from stringiness and ideal for pie-making or cooking. Pkt. 5c., 10c. per oz., ¼ lb., 30c., $1.00 lb.

Tennessee Sweet Potato. An oblong-shaped, medium-sized fruit with a very light buff yellow skin, for pies it is delicious, while for cooking for table use it is dry and tasty, resembling the flavor of mashed sweet potatoes. Pkt. 5c., 10c. oz., ¼ lb. 25c., 85c. per lb.

Large Cheese. A very large, flat, ribbed fruit, of a beautiful buff yellow color; the interior is of fine quality. An enormous producer, ideal for market or home gardens and canning purposes. Pkt. 5c., 10c. per oz., ¼ lb. 25c., 85c. lb.

Japanese Pie. A crook-necked variety, deep green striped darker, which turns to a rich golden yellow. The fruit sets and matures early. The name given to it is derived from the seed which are curiously marked like Chinese letters of the alphabet. Pkt. 5c., 10c. per oz., ¼ lb. 30c., $1.00 lb.

Winter Luxury. Known as the New England pie pumpkin. No Thanksgiving dinner there is complete without the palatable pumpkin pie, made from this variety. This is also used for making Jack-O-Lanterns, for which purpose it is well suited on account of its very round and symmetrical shape. The skin is a russet yellow, while the flesh golden orange when ripe. 5c. pkt., oz. 10c., 30c. per ¼ lb., lb. $1.00.

Cashaw or Golden Crook Neck. A very meaty sort; suitable for pie or stock feeding purposes; flesh golden yellow and very tender. Pkt. 5c, 10c. per oz., ¼ lb. 30c., $1.00 per lb.

Connecticut or Common Field. Shape almost round; fruits produced in great abundance; flesh coarse and suitable only for stock feeding; color light yellow. 5c. per oz., ¼ lb. 15c., 50c. per lb.; 5 lbs., $2.00.

☞ **Prices on Vegetable Seeds include postage, unless otherwise noted**

Rettig (Ger.) **RADISH** Radis (Fr.)

One ounce of seed will sow a row about 75 feet long; 8 to 10 pounds are required for an acre

Radishes should be sown in good rich ground, where they can make rapid growth, for then only do they produce the best results. There are many varieties now from which a selection can be made for sowing at almost any season of the year, with proper facilities. The winter radishes are sown in July and are developed by autumn, at which time they may be taken up and stored in cool cellars and covered with sand.

EARLY SORTS

Brightest Scarlet, Half Long. Entirely distinct, being a vivid scarlet color, tipped with white. Pkt. 5c., 10c. per oz., ¼ lb. 20c., 60c. per lb.

Cardinal or Scarlet Globe. The very best forcing variety, is of globular shape and brilliant cardinal red color. Pkt., 5c.; 10c. per oz.; ¼ lb., 30c; $1.00 per lb.

Cardinal Globe (Improved Strain). This popular radish will be welcomed readily in an improved form, the color and shape are perfect. Pkt., 5c.; 15c. per oz.; ¼ lb., 40c.; $1.25 per lb.

Crimson Giant. Turnip shaped; very large and tender. Pkt. 5c., 15c. per oz., ¼ lb. 35c., $1.00 per lb.

Early French Breakfast. Oblong shape, rapid grower, very mild and tender, of a beautiful scarlet color, tipped with white. Pkt. 5c., 10c. per oz., ¼ lb. 30c., 85c. per lb.

Fireball. Turnip shaped; brilliant scarlet color, crisp, tender, of mild flavor; useful only as a forcing variety or for early spring use. Pkt. 5c., 10c. per oz., ¼ lb. 30c., 85c. per lb.

Icicle. A magnificent white variety of fine taste, grows 3½ to 4 in. long in 22 days. Also suitable for summer. Pkt. 5c., 10c. per oz., ¼ lb. 30c., 85c. per lb.

Icicle (Improved Strain). A selection of seed made from perfect roots, thus ensuring utmost uniformity. Pkt. 5c., 15c. oz., ¼ lb. 40c., $1.25 per lb.

Long Scarlet Short Top or Salmon. The standard variety; long bright scarlet with small top. Pkt. 5c., 10c. per oz., ¼ lb. 25c., 80c. per lb.

Round Red Forcing or Button. Very quick in maturing. Pkt. 5c., 10c. per oz., ¼ lb. 30c., 85c. per lb.

Michell's Private Stock Cardinal Globe Radish

Felton's Stock White Box Radish

EARLY SORTS—Continued

Round White Forcing or Turnip. An excellent small solid variety. Pkt. 5c., 10c. per oz., ¼ lb. 30c., 85c. per lb.

White Box, Felton's. (Private stock.) A selection of the old reliable White Box radish, more perfect form, producing shorter tops, and does not have a tendency to grow long in shape. Pkt. 5c., 15c. per oz., ¼ lb. 30c., $1.00 per lb.

White Box, Philadelphia Grown. Perfectly round, smooth skin, pure white. Pkt. 5c., 10c. per oz., ¼ lb. 25c., 75c. per lb.

SUMMER SORTS

Beckert's Chartier (Long). Color bright salmon scarlet, shading to white as it approaches maturity; it is very crisp, tender, and of mild and pleasant flavor. Pkt. 5c., 10c. per oz., ¼ lb. 30c., 75c. per lb.

Golden Olive Shaped Yellow. An improvement on the old Yellow Globe sort. Pkt. 5c., 10c. per oz., ¼ lb. 20c., 65c. per lb.

Large White Summer Turnip. Large, turnip-shaped, white, crisp and mild. Pkt. 5c., 10c. per oz., ¼ lb. 20c., 60c. per lb.

Long White Lady Finger. A fine white, crisp and mild variety. Pkt. 5c., 10c. per oz., ¼ lb. 25c., 75c. per lb.

White Strasburg. Oblong of a pure white color, and mild flavor. Pkt. 5c., 10c. per oz., ¼ lb. 20c., 70c. per lb.

WINTER VARIETIES

California White Winter. Grows 8 to 10 inches long. One of the best for winter. Pkt. 5c., 10c. per oz., ¼ lb. 25c., 75c. per lb

Celestial or White Chinese. Large size. Pure white, excellent keeper. Pkt. 5c., 10c. per oz., ¼ lb. 30c., $1.00 per lb.

Half Long Black. A great improvement on the old Long Spanish Radish. Pkt. 5c., 10c. per oz., ¼ lb. 30c., $1.00 per lb.

Long Black Spanish. A favorite among winter sorts. Pkt. 5c., 10c. per oz., ¼ lb. 25c., 75c. per lb.

Round Black Spanish. Like the above, except in form. Pkt. 5c., 10c. per oz., ¼ lb. 25c., 75c. per lb.

China Rose. Bright rose color; flesh firm. One of the best for winter use. Half-long in shape with a scarlet blunt tip. Winter radishes should be cultivated more extensively than what they are. Pkt. 5c., 10c. per oz., ¼ lb. 25c., 70c. per lb.

The method of placing a barrel without a bottom over a Rhubarb clump has a tendency to draw up the length of the stalks, thus increasing the yield.

RHUBARB

This can be grown from seed as well as roots. Seed should be sown outdoors in April in rows 3 ft. apart, the following spring they should be transplanted into permanent beds, the roots placed 3 feet apart each way; the year following that, or two years after sowing the seed, it may be used. Roots may be planted in October or in the spring up to May 15th.

Victoria. Immense long stalks of a cherry red color, which cook splendidly, have no strings or coarse matter, this makes it a most popular variety. Pkt. 5c. (10c. per large pkt.), oz. 15c., 40c. per ¼ lb., lb. $1.25.

VICTORIA RHUBARB ROOTS

(Ready from October to May 15th.)

First Size Roots. 10c. each (by mail, 15c.); $1.00 per doz.; per 100, $6.00.

Forcing Size Roots. 25c. each (not mailable); $2.50 per doz.; 25 for $4.25; $15.00 per 100.

ROSEMARY HERB (Perennial)

This makes an attractive border plant, also used extensively for various medicinal purposes. 5c. per pkt., per ½ oz. 15c., 30c. per oz. See also Rosemary Plants, page 49.

RUTA-BAGA *(See also Turnips, page 48)*

Private Stock. Purple top; yellow. Pkt., 5c; per oz., 15c.; 35c. per ¼ lb.; per lb., $1.00.

Improved. Purple top; yellow. Pkt. 5c., 10c. per oz., per ¼ lb. 25c., 75c. per lb.

SAFFRON HERB (Annual)

Used principally in making medicines and for coloring matter. 5c. per pkt., per oz. 10c.

SAGE HERB (Perennial)

Mammoth leaved variety, used in gravies, stews and also for medicinal purposes. 5c. per pkt., per ½ oz. 10c., 15c. per oz.

SAGE PLANTS

Holt's Mammoth. Strong plants. 10c. each, per doz. $1.00, $6.00 per 100.

SHALLOTS *(See also Onions, page 37)*

A variety of French onion for flavoring. 15c. pt., qt. 30c., 4 qts. $1.10, $2.00 per peck.

HICKOX, GA.

Seeds arrived O. K. Thanks for your courteous handling of my order. A prospective customer I had in mind for you; bought elsewhere, his seeds arrived at the time yours did, so we are off in a race for supremacy. Michell's seeds are already, at the start, far in the lead. *H. J. McGEE.*

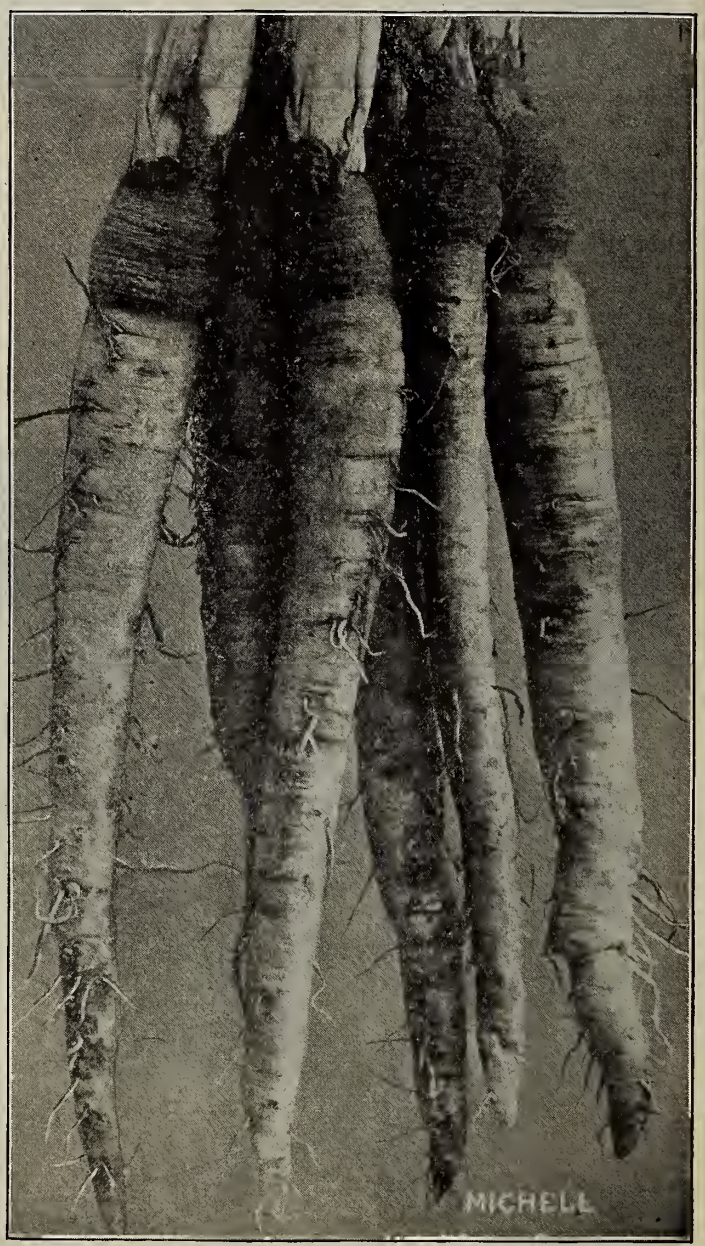
SALSIFY (OYSTER PLANT)

One ounce of seed will sow about 50 feet of drill. 10 lbs. per acre.

Sow in early spring, in drills fifteen inches apart and one to two inches deep, when about 4 inches high, thin to three inches apart. Soil should be very deep and mellow, in order that the root may grow straight down. Store same as carrots for winter use, or they can be left in the ground until spring. This is one of the finest vegetables stewed and served with a cream dressing, while if sliced or made into cakes and fried like parsnip, they taste like a delicious oyster.

Mammoth Sandwich Island. This variety is of enormous size, twice as large as the ordinary white; pure white, very tender and delicious. Pkt., 5c.; oz., 15c.; ¼ lb., 40c.; lb., $1.40.

Long White. The favorite market variety, somewhat thinner than the Sandwich variety. Pkt. 5c., oz. 10c., ¼ lb. 35c., lb. $1.25.



Mammoth Sandwich Island Salsify (See prices above)

SQUASH

One ounce will sow 20 to 50 hills 3 to 4 lbs. for an acre

This vegetable is a popular one for summer and winter use, it being susceptible to cold it should not be planted until the ground is thoroughly warm. There are two varieties, the bush sort being planted in hills 4 to 5 feet apart each way; the running varieties require planting 8 to 15 feet apart in order that it may develop properly. Place 8 to 10 seeds in a hill, and when the third stage of leaves are set, thin out to about 4 plants in a hill. Some varieties, as will be noted below, are ideal for pie-making, more delicious than some of the pumpkins. Cultural Leaflet No. 124 covers squash growing fully. It is free.

Delicious Squash

SUMMER VARIETIES

Golden Custard. A flat scalloped type, like the White Bush; the skin is of a light yellow color, which is very thin, leaving plenty of meat in the centre; a bush or compact growing kind. Pkt. 5c., 10c. per oz., ¼ lb. 25c., 85c. lb.

Mammoth White Bush. Of round scalloped form with an ivory white skin. This variety has an abundance of meat of very fine flavor. It is one of the earliest to mature and is very prolific, bearing continually until killed by frost. Pkt. 5c., 10c. per oz., ¼ lb. 25c., 85c. lb.

Yellow Summer Crook Neck. Shaped like a club with a bent neck. The skin is very rough and warted, of an orange yellow color. Much preferred by the cook on account of its very dry meat when boiled. This is a variety with a running vine. Pkt. 5c., 10c. per oz., ¼ lb. 25c., 80c. lb.

FALL AND WINTER VARIETIES (Running Sorts)

Delicious. Well named as it has the finest flavor of any squash, of oblong shape with a deep green skin and thin rind, with a seed cavity so small that it almost meets in the centre. One of the best winter keepers; grown extensively for market; when matured it weighs from 5 to 10 lbs. and is in its prime during the early winter; one of the very best. Pkt., 5c.; oz., 10c.; 30c. per ¼ lb.; lb., $1.00.

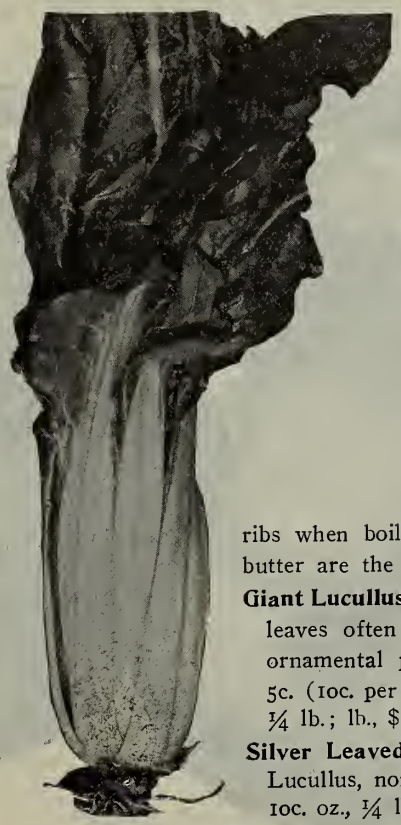
Golden Hubbard. Used extensively for pie, but served as a vegetable; it is very dry and delicious. The outside is a deep orange red, while the flesh is very tender. Pkt. 5c. (10c. per large pkt.), oz. 15c., 35c. per ¼ lb., lb. $1.00.

Boston Marrow. Shaped similar to Hubbard, golden orange; fine for canning for winter use; cooked as a vegetable or in pie. Pkt. 5c., oz. 10c., 30c. ¼ lb., lb. 90c.

Vegetable Marrow. A long greenish white variety; fine for cooking; very sweet and tender. This is the favorite squash with the English people. Pkt., 5c.; 10c. per oz.; per ¼ lb., 30c.; 75c. per lb.

SWISS CHARD (Spinach Beet)

A wonderful vegetable which is known but too little. From every possible standpoint it has qualities that recommend its use in every household. Readily grown from seed, when it can be used five weeks after sowing and is a continuous crop until killed by frost. The plant does not produce a beet root, but its valuable part is all above the ground; large leaves with broad ribs grow from the centre; the outer leaves only should be carefully pulled from the plant; the foliage part separated from the rib. The former when cooked is served like spinach, which it resembles in taste; the ribs when boiled and served with melted butter are the equal of finest asparagus.



Giant Lucullus Swiss Chard

Giant Lucullus. Very tall growing; crinkly leaves often two feet long; a beautiful ornamental plant for any garden. Pkt. 5c. (10c. per large pkt.), oz. 15c., 40c. per ¼ lb.; lb., $1.20.

Silver Leaved. Not quite as tall as the Lucullus, nor so well crinkled. Pkt. 5c., 10c. oz., ¼ lb. 25c., 75c. lb.

MICHELL'S SUPERIOR SPINACH SEED

One ounce to 75 feet of row. 12 pounds per acre

Prices of all seeds on this page in lb. lots and less include postage.

See Cultural Leaflet No. 126 for instructions on spinach growing. It's free, ask for it.

Garden Giant (New). A very large leaved sort, of dwarf growth for spring and autumn use. Pkt., 5c.; 10c. per oz.; 20c. ¼ lb.; lb., 50c.

Bloomsdale Round-Seeded Savoy (Improved Strain). The hardiest Savoy leaved variety; curled and crimped, thick, fleshy leaves; the best for early spring and fall sowing. Pkt., 5c.; 10c. oz.; 20c. per ¼ lb.; per lb., 50c.; $2.00 for 5 lbs.; 10 lbs., $3.50.

Bloomsdale (Usual Strain). 5c. per oz.; ¼ lb., 15c.; 40c. per lb.; 5 lbs., $1.75.

Long Season. A cross between the old reliable Bloomsdale and the Victoria. It produces tremendously large plants and leaves which are strong and robust. It will resist heat better without shooting to seed than any variety yet introduced. The leaves are somewhat curled, and are tender. Color, a beautiful dark green. Pkt., 5c.; 10c. per oz.; per ¼ lb., 20c.; 50c. per lb.; 5 lbs. for $2.25.

New Zealand. This variety endures heat and drought; excellent for summer use; the leaves are small and thick. It is an enormous yielder, growing upright, one sowing can be picked from the entire summer, a very distinct variety. Pkt., 5c.; 10c. per oz.; per ¼ lb., 30c.; $1.00 per lb.

Victoria Long Standing. This thick variety is distinguished by the exceedingly dark green color, and also for its long-standing qualities and crinkled foliage, especially valuable for summer use, resisting the heat to a remarkable degree. Oz., 5c.; 15c. ¼ lb.; lb., 40c.; $1.75 for 5 lbs.; 10 lbs., $3.00.

SORREL (French Broad Leaved]

Desirable greens for salad; resembles sour grass in flavor. Pkt., 5c.; 10c. ½ oz.; oz., 15c.; 40c. ¼ lb.; lb., $1.25.

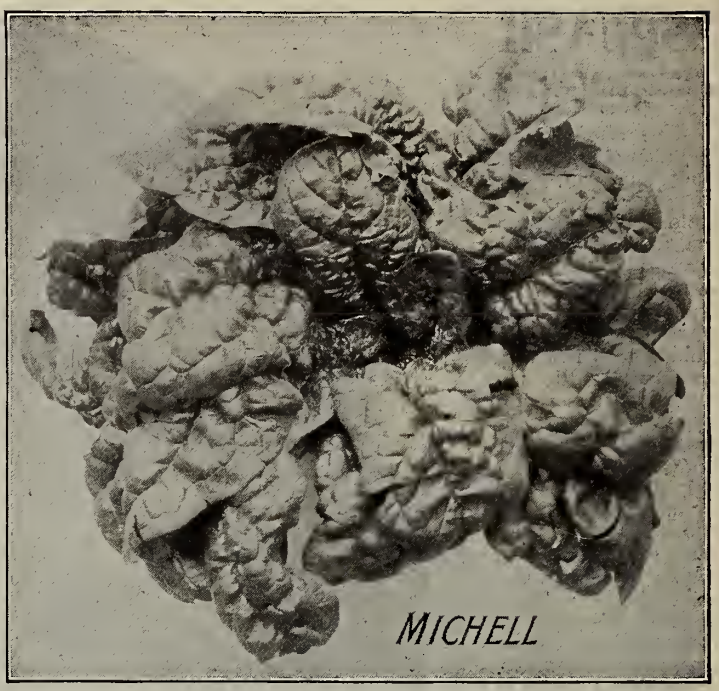
SWEET BASIL HERB (Annual)

A valuable herb for flavoring various dishes. Pkt., 5c.; 10c. per ½ oz.; per oz., 15c.

SUMMER SAVORY HERB (Annual)

A popular kitchen herb used in flavoring, etc. Pkt., 5c.; 10c. per ½ oz.; per oz., 20c.

Plants of Summer Savory. 10c. each; doz., $1.00; 100, $6.00.



Michell's Improved Strain Bloomsdale Spinach

SWEET MARJORAM HERB (Annual)

Imported Strain. Used in the kitchen for flavoring. Pkt., 5c.; 10c. per large pkt.; oz., 20c.

American Strain. This variety is a much larger type and an improvement on the above. Pkt., 10c.; 20c. per ½ oz.; per oz., 40c.

Plants of Sweet Marjoram. 10c. each; doz., $1.00; 100, $6.00.

MICHELL'S CRACKERJACK TOMATO

(STILL A LEADER)

The "distinctive" qualities of "Crackerjack" are numerous.

Michell's Crackerjack Tomato

The earliest Tomato to ripen in Pennsylvania.

A continuous bearer, producing fruits right up till frost.

The most abundant producer of any tomato we know.

An absolutely smooth fruit, colored equally alike.

Never cracks, except when overripe and left on vine.

All fruit is of even size, and every fruit can be used.

Grows in clusters from 5 to 10 perfect tomatoes.

Fruit is of medium size and of a brilliant rich scarlet.

Fruit when cut discloses solid meat and little seed.

Its flavor is very agreeable and a favorite with everybody.

The firm flesh makes it an ideal shipper.

"Crackerjack" for the home garden.

We highly recommend this variety for forcing under glass.

Per pkt., 15c.; 25c. for 2 pkts.; ½ oz., 30c.; 60c. per oz.

Extra strong pot-grown "Crackerjack" Tomato plants (Ready in May). 8c. each; doz., 75c.; 100, $5.00.

See pages 47 and 211 for Tomato Trellis

Michell's Choice Tomato Seed (One ounce will produce 3500 plants; ¼lb. will provide enough for an acre)

Sow in the house or hotbed about March 1st, transplant when 3 inches high, and again later to produce vigorous specimens. Set plants outdoors about May 1st in rows 3 feet apart, 18 inches in the row or in hills 4 feet apart each way. Properly grown tomato plants should be supported. Cultural Leaflet No. 129 covers tomato growing fully, ask for a free copy.

Michell's "Private Stock" Stone Tomato

EARLY VARIETIES

Beauty. One of the largest bright red tomatoes, solid and meaty, quite early. Pkt., 5c. and 10c.; 20c. per oz.; ¼ lb., 60c.; $2.00 lb.

Bonny Best. One of the best and most prolific of early tomatoes. The size is not so large but it is very solid and evenly formed. Color, a beautiful bright red. Pkt., 10c.; 15c. per ½ oz.; oz., 30c.; $1.00 per ¼ lb.

Earliana (Spark's). The most prolific early tomato ever produced. Grows in clusters; medium in size; solid and most desirable. Pkt., 10c.; 15c. ½ oz.; oz., 25c.; 75c. ¼ lb.; lb., $2.50.

Early Jewel (Chalk's). A favorite variety with the market gardener. Color, a bright red; solid and good shipper. Pkt., 10c.; 15c. per ½ oz.; per oz., 30c.; $1.00 per ¼ lb.; per lb., $3.50.

June Pink. One of the recent introductions in tomatoes. In habit it is very much like Earliana, but a beautiful pink color instead of red. 10c. pkt.; per ½ oz., 15c.; 30c. per oz.; per ¼ lb., 85c.; $3.00 per lb.

Michell's Crackerjack. This is one of the best early tomatoes for the home garden, its productiveness is wonderful, it is quite free from acid and of a convenient size. Color, rich red and produced in clusters. Be sure and try it if you have not already ordered. Pkt., 15c.; 25c. for 2 pkts.; ½ oz., 30c.; 60c. per oz.

LATER AND GENERAL CROP VARIETIES

Dwarf Champion. A distinct type, the plant looks like a miniature tree; very dwarf and compact; color of fruit, bright red and very solid. Pkt., 5c.; 15c. per ½ oz.; per oz., 25c.; 70c. per ¼ lb.; per lb., $2.25.

Dwarf Stone. A dwarf compact growing plant, yielding a large crop of medium-sized very solid tomatoes. Color, bright red. The plant is very distinct and upright. Pkt., 10c.; 15c. per ½ oz.; per oz., 30c.; 80c. per ¼ lb.; per lb., $3.00.

Dwarf Giant. A dwarf type of the true Ponderosa; very meaty, of rich purple red, gigantic size, a fine shipper. 10c. pkt.; ½ oz., 20c.; 35c. oz.; ¼ lb., $1.25.

Golden Queen. Large yellow fruit. Pkt., 10c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 85c.; $3.00 per lb.

Greater Baltimore. An excellent canning or market variety, very large and solid general crop, rich color and of uniform size. 10c. pkt.; ½ oz., 15c.; 30c. oz.; ¼ lb., $1.00.

Livingston's Globe. A handsome variety, especially adapted to slicing; very solid; color a handsome red, and a great producer; one of the best general crop varieties. Pkt., 10c.; 15c. ½ oz.; 25c. per oz.; per ¼ lb., 85c.

Matchless. Large red fruit, general crop. Pkt., 5c.; ½ oz., 15c.; oz., 25c.; ¼ lb., 85c.; $2.75 per lb.

LATER AND GENERAL CROP VARIETIES

Michell's Improved Globe. One of the largest and heaviest tomatoes on our list, the shape is rather oblong so that for slicing it cuts more from a fruit than any other variety; absolutely smooth, never cracks and colors right to the stem. Pkt., 10c.; 20c. per ½ oz.; oz., 40c.; $1.25 per ¼ lb.

Ponderosa. The largest tomato in existence; a beautiful red color; heavy producer, and of even form. Pkt., 10c.; 15c. per ½ oz.; per oz., 30c.; $1.10 per ¼ lb.; per lb., $4.00.

Red Rock. One of the most solid varieties, medium size and of a brilliant red color, a fine one for the home or market garden; medium early. Pkt., 10c.; 15c. per ½ oz.; oz., 30c.; $1.00 per ¼ lb.

Stone (Michell's Private Stock). A very careful selection of the old favorite Stone. The fruits are larger, more even, and produced in greater abundance. One of the best all-round tomatoes on the market. Pkt., 10c.; 20c. per ½ oz.; per oz., 40c.; $1.25 per ¼ lb.; per lb., $4.00.

Stone (*Usual Strain*). Pkt., 5c. and 10c.; 15c. per ½ oz.; per oz., 25c.; 75c. per ¼ lb.; per lb., $2.75.

FORCING TOMATOES

While especially adapted for growing under glass during the winter, they succeed outdoors quite well, and have one especially valuable feature, being extremely early.

Stirling Castle. Firm medium fruit, with few seeds; very productive. 10c. pkt.; ½ oz., 20c.; 40c. per oz.; per ¼ lb., $1.25.

Frogmore Select. Grows in large clusters, an especially fine variety; very uniform and prolific. 10c. pkt.; ½ oz., 20c.; 40c. oz.; ¼ lb., $1.25.

Balch's Fillbasket. Fine forcer; original pkts., 50c. each.

Sutton's Best of All. One of the finest varieties in use in England, and the seed we offer is grown from Sutton's original stock. The fruit is medium sized, and of an intense red color, containing but few seeds, it is produced in clusters of from 3 to 6 fruits. Pkt., 10c.; 25c. ½ oz.; oz., 50c.; $1.75 per ¼ lb.

Comet. A cluster averages 6 tomatoes of medium size of the brightest red, ripening up to the stem. One of the first to ripen and continues in bearing for a long while. Pkt., 10c.; 20c. per ½ oz.; oz., 35c.; $1.25 per ¼ lb.

Sutton's Eclipse. A very smooth fruit, borne singly on plants which produce little foliage, a good point in a forcing tomato, vermilion red color; original packets, 50c.

SMALL FRUITED TOMATOES

Muller's Tomato Support

These are very decorative in the garden, as well as highly desirable for preserving on account of their freedom from acid; they are tremendously prolific, continuing to bear right up to frost. They may be used raw, and make excellent table decorations.

Red Cherry. Pkt., 5c.; ½ oz., 15c.; 25c. oz.; ¼ lb., 75c.; $2.50 per lb.

Red Peach. Of Peach form and color. Pkt., 5c.; 15c. ½ oz.; oz., 25c.; 85c. ¼ lb.

Yellow Pear or Plum. Pkt., 5c.; 15c. ½ oz.; oz., 25c.; ¼ lb., 75c.; $2.50 per lb.

Strawberry or Husk. Pkt., 5c.; 15c. ½ oz.; oz., 25c.; ¼ lb., 85c.; $2.75 per lb.

TOMATO PLANTS

(*Ready in April*)

	Doz.	100	1000
Hotbed-Grown	$0.25	$1.50	$8.00
Pot-Grown	.50	4.00	37.50

TOMATO SUPPORTS

Larger plants, better and more fruit is obtained when tomatoes are supported.

Muller's, Wire (see cut). Each, 30c.; doz., $3.25; $23.50 per 100.

Model, Wire. Each, 20c.; doz., $2.00; $14.00 per 100.

Perfection, Wood. Each, 25c.; doz., $2.75; $22.00 per 100.

TARRAGON

This does not produce seed, but we offer choice plants. These are hardy if given plenty of protection in winter. Do not plant them in an exposed place. Extra large plants, 25c. each (by mail, 30c.); per doz., $2.50; $17.50 per 100.

THYME (English Broad Leaved)

This is almost an indispensable herb; once planted it remains permanent for years. Pkt., 5c. and 10c.; 15c. per ½ oz.; per oz., 30c.

THYME PLANTS

Large clumps of the above variety for those who want immediate results. 10c. each (by mail, 15c.); per doz., $1.00; $6.00 per 100.

TOBACCO SEED

	Pkt.	½ Oz.	Oz.
Connecticut	$0.10	$0.15	$0.25
Havana	.10	.20	.40
Pennsylvania	.10	.15	.25

Special price on larger quantities.

TURNIP AND RUTA BAGA

Herbst Rüben (Ger.) Navet (Fr.)

One ounce of seed for 100 feet drill; two lbs. per acre, broadcast

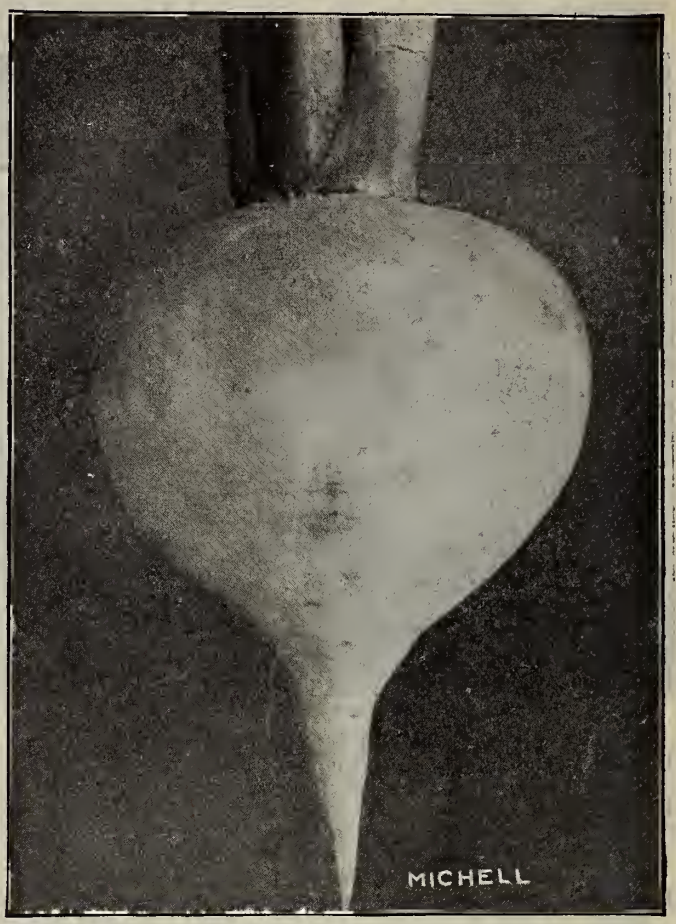
For early use sow the small sorts as soon as the ground can be worked in the spring in drills fourteen inches apart. Ruta Bagas thirty inches. As the seed is fine it should be covered but slightly, except in very dry weather. Do not sow too thickly, so the roots can develop. For fall and winter use the early kinds should be sown from the middle of July to the middle of August, and Ruta Bagas from the middle of June to the fifteenth of July.

Michell's Private Strain Ruta Baga

RUTA BAGA

Private Stock Purple Top Yellow. This is the perfect ideal Ruta Baga. Top is purple, the bottom yellow. It brings a high price when sold in the market on account of its shape. Pkt., 5c. and 10c.; 15c. per oz.; ¼ lb., 35c.; $1.25 per lb.; 5 lbs. for $5.00.

Improved Purple Top Yellow. This variety is the same color as the above, except the shape is more oblong. It is very desirable for stock feeding. Pkt., 5c.; 10c. per oz.; per ¼ lb., 25c.; 75c. per lb.; 5 lbs. for $3.00.



Private Strain Improved Purple Top White Globe Turnip

TURNIP

Aberdeen. A flat yellow variety, a good winter keeper. Pkt., 5c.; 10c. per oz.; per ¼ lb., 20c.; per lb., 60c.

Cow Horn. A long white variety used for soiling and stock feeding. Pkt., 5c.; 10c. per oz.; per ¼ lb., 20c.; 60c. per lb.

Early White Flat Dutch. A good variety for early spring sowing, matures quickly. Pkt., 5c.; 10c. per oz.; per ¼ lb., 20c.; 30c. per ½ lb.; per lb., 50c.

Early Purple Top Flat. The most popular variety in cultivation, a large yielder, well flavored. Pkt., 5c.; 10c. per oz.; per ¼ lb., 20c.; 60c. per lb.

Purple Top White Globe. A large perfect shaped sort, the skin is purple at top and white at bottom, very sweet. Pkt., 5c.; 10c. per oz.; per ¼ lb., 25c.; per lb., 75c.

Purple Top White Globe. (*Private stock.*) This is a careful selection of the above variety, especially adapted for private gardens. Pkt., 5c. and 10c.; 15c. per oz.; per ¼ lb., 35c.; per lb., 1.00.

Robertson's Golden Ball. A globular-shaped sort, with deep yellow flesh. Pkt., 5c.; 10c. per oz.; per ¼ lb., 20c.; 30c. per ½ lb.; per lb., 50c.

Snowball. A pure white globe variety, very early; Pkt., 5c.; 10c. per oz.; per ¼ lb., 20c.; 35c. per ½ lb.; per lb., 60c.

White Milan. A handsome flat sort, grand for very early use, sweet and tender. Pkt., 5c.; 10c. per oz.; per ¼ lb., 25c.; 85c. per lb.

Yellow Globe or Amber. Shaped like the Purple Top Globe, but the color is like that of a Yellow Ruta Baga. Pkt., 5c.; 10c. per oz.; 20c. per ¼ lb.; per ½ lb., 35c.; per lb., 60c.

WORMWOOD

A medicinal herb of great value. Perfectly hardy with slight protection. Pkt., 5c. and 10c.; 15c. per ½ oz.; per oz., 25c.

(hc)

Artichokes (Ready in April)

Green Globe. Pot grown. $1.50 per doz.; 25 for $2.50; $10.00 per 100 (by express only).

Jerusalem. Sometimes called the American Artichoke, used for table and stock feeding. 15c. qt.; peck, 75c.; $2.75 per bu. Cultural and cooking methods of Artichoke are fully explained in Leaflet No. 101.

Asparagus Roots (Ready from October 15th to May 15th)

The handling of this crop is carefully described in our leaflet on Asparagus Culture, which is mailed free or included with orders, if asked for. The two year old roots usually produce 2 years after planting, the 3 year old may be cut lightly one year after planting.

	2 Year Old Roots			3 Year Old Roots		
	100	500	1000	100	500	1000
Giant Argenteuil. Violet and white	$1.00	$4.00	$7.50	$1.75	$7.50	$15.00
Barr's Mammoth. Dark green	.75	3.00	5.50	1.50	6.50	12.50
Columbian Mammoth White. Pure white	.75	3.00	5.50	1.50	6.50	12.50
Conover's Colossal. Light green	.75	3.00	5.50	1.50	6.50	12.50
Palmetto or Eclipse. Light green	.75	3.00	5.50	1.50	6.50	12.50

Giant Forcing Asparagus Roots (Extra strong). In Barr's Mammoth variety only, $2.00 per doz.; per 25, $3.50; $12.00 per 100.

Brussels Sprouts (Ready in July)

Matchless Improved Hot Bed Grown. 25 for 20c.; 50c. per 100; per 1000, $3.50.. P. P. Wt., per 100 plants, 2 lbs., packed.

Cabbage Plants (Ready in season according to variety beginning April 1st)

Early Sorts. From hotbeds Winnigstadt, Wakefield, All Head. Ready April 15th. 40c. per 100; per 1000, $3.50.

Early Sorts. Sturdy plants from cold frames. Ready April 1st, in Wakefield and All Head varieties only. 75c. per 100; per 1000, $6.00.

Late Sorts. Ready July 1st in Late Flat Dutch, Danish Ball Head, Drumhead, Savoy and Red Dutch Drumhead varieties only. Per 100, 40c.; $2.75 per 1000.

Parcel Post Weight on Cabbage Plants, packed, 2 lbs.

Cauliflower Plants (Ready about April 1st)

	P. P. Wt.	Doz.	100
Snowball variety. Plants, hot beds	1 lb.	$0.25	$1.50
Snowball variety. Pot-grown plants		.50	4.00

Celery Plants (Ready in July)

Extra selected well grown, sturdy stock grown at our own plant establishment in the following varieties. **White Plume, Dwarf Golden Heart, Giant Pascal, Boston Market, Winter Queen, Pink Plume,** also **Turnip Rooted** (Celeriac). 50c. per 100; 500 for $2.25; $4.00 per 1000.

Golden Self Blanching. Grown from French seed. 60c. per 100; $2.75 per 500; per 1000, $5.00.

Parcel Post Weight, per 100 plants, packed, 4 lbs.

Chamomile

Extra strong pot-plants, 10c. each; doz., $1.; $6.00 per 100.

Chives (Ready in April)

Hardy and will last for years; don't cut the plant too close when gathering. If desired for winter use, lift and plant in a pot or box and place in a sunny window in the kitchen.

Strong Plants, 10c. each; doz., $1.00; $7.00 per 100. P. P. Wt., per plant, 1 lb.

Egg Plants (Ready after May 15)

These are grown in pot-grown stock only.

New York Improved and Black Beauty. 5c. each; 60c. doz.; $4.00 per 100.

Hop Vine (Hardy)

Besides being used in culinary and medicinal ways, this makes a valuable shade plant, placed on arbors, trellis, etc.

Strong Pot-Grown Plants. 15c. each; doz., $1.50; 100, $10.00.

Horse Radish Roots (Ready in March)

Set the roots in spring in rows six inches apart, about the same distance in the row. Late in the fall lift as many roots as you think you will use during the winter, cut off the top, place them in a cool cellar covered with soil or sand.

Maliner Kren (*Bohemian*). Large, strong cuttings, 25c. per doz.; per 100, 75c.; $6.00 per 1000.

Regular variety. Doz., 15c.; 50c. per 100; per 1000, $4.00. Parcel Post Weight, per 100 roots, 2 lbs.

Lavender (Ready in April)

Used for its flowers, which when dried, are strewn among clothing to keep away moths. Pot-grown plants. 10c. each; per doz., $1.00; $6.00 per 100.

Lettuce Plants

We can supply these at all seasons in Heading Varieties; our selection. 40c. per 100; $3.00 per 1000. Parcel Post Wt., per 100 plants, 1 lb.

Mint (Hardy) (Ready in April)

This is used for making mint sauce and juleps, also in many other ways. The plants are hardy and when once established remain for years. Pot-grown plants.

Spearmint. 10c. each; per doz., $1.00; $6.00 per 100.

Peppermint. 10c. each; per doz., $1.00; $6.00 per 100.

Parsley Plants (Ready in April)

Double curled, pot-grown, ready for use. 50c. per doz.; per 100, $4.00.

Pepper Plants (Ready in May)

Bull Nose and Long Red Cayenne varieties only.

Pot-Grown Plants. 50c. per doz.; per 100, $4.00.

Hotbed Grown. 20c. per doz.; per 100, $1.25.

Pennyroyal (Ready in April)

A medicinal herb, used for various purposes.

Pot-Grown Plants. 10c. each; $1.00 doz.; per 100, $6.00.

Rhubarb Roots (Ready from October to May 15th)

Victoria Large Clumps. 10c. each; $1.00 per doz.; per 100, $6.00. Parcel Post Weight, per root, 1 lb.

Victoria Extra Large Clumps for Forcing. 25c. each; (not mailable); $2.50 per doz.; 25 for $4.25; $15.00 per 100.

Rosemary (Perennial) (Ready in April)

This makes an attractive border plant, also used extensively for various medicinal purposes. Pot-grown plants. 10c. each; doz., $1.00; $6.00 per 100.

Sage (Hardy) (Ready in April)

Holt's Mammoth. Large leaved variety, used in gravies, stews and also for medicinal purposes. Pot-grown plants. 10c. each; per doz., $1.00; $6.00 per 100.

Savory (Ready in April)

A popular herb, used in flavoring, etc. Pot-grown plants.

Summer Variety (Annual). 10c. each; doz., $1.00; 100, $6.00.

Winter Savory (Hardy). 15c. each; doz., $1.50; 100, $10.00.

Sweet Marjoram (Annual) (Ready in April)

American Strain. This variety is a much larger type and an improvement on the imported. Pot-grown plants. 10c. each; per doz., $1.00; $6.00 per 100.

Sweet Potato Plants (Ready in May)

Yellow Bush (*Vineless*). 100, 60c.; 250, $1.25; 1000, $4.00.

Yellow and Red Nansemond. 40c. per 100; 1000, $2.50; (5000 lots, $10.00). Parcel Post Weight, 100 plants, packed, 3 lbs.

Tansy (Hardy)

For medicinal purposes this herb is of great value. 10c. each; doz., $1.00.

Tarragon (Hardy) (Ready in April)

These are hardy if given plenty of protection in winter. Do not plant them in an exposed place. Extra large pot-grown plants. 25c. each; per doz., $2.50; $17.50 per 100.

Thyme (Hardy) (Ready in April)

English Broad Leaved. This is almost an indispensable herb; once planted it remains permanent for years. Pot-grown plants. 10c. each; doz., $1.00; $6.00 per 100.

Tomato Plants (Ready after April 15th)

Pot-grown plants in the following varieties only: Earliana, Stone, Dwarf Stone, Ponderosa. 5c. each; doz., 50c.; $4.00 per 100.

Michell's Cracker Jack. Extra early. 8c. each; doz., 75c.; $5.00 per 100.

Hot bed plants in the following varieties only: Stone, Earliana, Ponderosa, Golden Queen, Yellow Pear. 25c. per doz.; per 100, $1.50; $8.00 per 1000. Parcel Post Weight, per 100 hot-bed plants, 4 lbs.

MICHELL'S RECLEANED LAWN GRASS SEEDS

Grounds of the new Masonic Homes, Elizabethtown, Pa. (showing Grand Lodge Hall), sown exclusively with Michell's Grass Seeds. The Committee having in charge the installation of the buildings and the arrangement of the grounds, after exhaustive inquiry and reports on purity and germination tests of Grass Seeds, awarded us the entire contract for supplying Grass Seeds to sow their immense tract of lawn.

MICHELL'S GRASS SEED "TOP NOTCH"

25 POUNDS PER BUSHEL

At any price it would hardly be possible to get together a more perfect blend of thoroughly recleaned grasses than this mixture. From experiments made it seems to do unusually well under most every condition of soil, weather and climate, retaining at all times its brilliant green color. Again we have frequently been asked on orders to send a lawn mixture of quality "par excellence" regardless of price, so finally decided that there was room for still greater improvement in lawns than our already high grade mixtures of grasses would produce.

Top Notch weighs **25 lbs. per bushel** and we are safe in saying that it can hardly be produced elsewhere at the price we quote it. Our grass seed sales amounting to more than half million (500,000) lbs. per year, we are able to get the choice of the Grass Seed Market. Imagine a perfect Grass Plot with a slight inkling of white clover where every tuft and blade is fine, closely grown together and without a weed. There is not a particle of chaff in this mixture and it cannot help but satisfy the most particular lawn critic. On account of the heavy nature and quality of the seed, unusual results are obtained in the shortest space of time. We recommend sowing this mixture at the rate of about 3½ to 4 bu., per acre to establish new lawns. It is not put up or sold in quantities of less than a peck. Price, $2.00 per peck (6¼ lbs.); per ½ bush., $3.75; $7.00 per bush. (of 25 lbs.); 2 bush., $13.50; $32.50 per 5 bush.; 100 lb. lots and over, 26c. lb.

A few of the many Testimonials received on the merits of Michell's Grass Seeds:

The 30 bushels of Green Velvet Grass Seed received from you last month was sown in three different places (about seven acres in all). I feel proud when I say it was the best seed I ever handled; the lawns it made are great.

D. J. Bennett,
Supt. to Percy Leavitt, Esq., Akron, Ohio.

Akron, Ohio, Sept. 5, 1913.

We are placing with you a second order for Green Velvet Lawn Grass, for the reason that the first lot was so satisfactory to our company that we wanted equally good results from the plot we are now sowing.

Thos. Rockwell,
East Akron Cemetery Co. Secretary.

MICHELL'S "GREEN VELVET" GRASS SEED

This mixture has stood the test of every clime and region in the United States. It is the result of many years of untiring study, labor and experimenting, coupled with the endeavor to give the man with a lawn a grass seed mixture which will produce a perfect turf. It is composed of close growing, fine leaved hardy grasses which will stand wear and tear, and outlive the severest winter, retaining at all times its lustrous green color. Our experiments have proven conclusively that only with a reliable mixture of several varieties of grasses can a quick permanent lawn be produced, for this reason we do not recommend the sowing of any one variety, such as Blue Grass, etc., alone.

Michell's Green Velvet Grass Seed weighs 20 lbs. per bushel. This fact alone is proof of its purity.

Quantity to sow. You cannot sow too much, the more the better, it means a quicker, more satisfactory and lasting result. We recommend, on new ground, to sow as follows:

1 qt. on 100 sq. feet (10 x 10); 4 qts. on 600 sq. feet (20 x 30); 1 peck on 1,500 sq. feet (30 x 50); 1 bushel on 7,000 sq. feet (70 x 100); 5 to 6 bushels per acre for best effects.

Prices: 1 pt., **20c.** (P. P. Wt., ½ lb.); 1 qt., **30c.** (P. P. Wt., 1 lb.); 4 qts., **85c.** (P. P. Wt., 3 lbs.); 1 peck, **$1.25** (P. P. Wt., 5 lbs.); 1 bu. (20 lbs.), **$5.00**; 5 bu., **$24.00**; 100-lb. lots and over 24c. lb.

The remarkably *Fine Lawns* seen at the Philadelphia National Export Exposition; The Pan-American Exposition, Buffalo; The Jamestown Exposition, Va.; The Lewis-Clarke Exposition, Portland, Ore., were seeded with **Michell's Green Velvet Grass Seed.** For years it has been extensively sown in the Public Parks and Squares of Philadelphia (including Fairmount Park). The Parks of Wilkes-Barre, Reading, Harrisburg, Penna., on the Executive Mansion Grounds, Washington, D. C., and on thousands of Country Estates.

☞If Grass Seed is wanted by parcel post, allow for mailing when remitting (hc)

MICHELL'S SHADED LAWN GRASS SEED

Shaded Locations produced by overhanging large trees, shrubbery, buildings, etc., have often been found difficult to keep in grass. We have made a special study of such conditions and after extensive experimenting have combined a mixture of grasses that will produce perfect swards in the most densely shaded places. It must be borne in mind that too much shade creates sour soil and to guard against this apply air-slaked lime (or land plaster where the former is not available) at the rate of 1 bushel to each 1000 square feet. Lime should be applied about every three years only, while land plaster may be applied periodically during the summer. Frequent fertilizer applications, such as bone meal or sheep manure, are a great help in establishing a thick, healthy growth of grass in shaded places. Sow seed at the same rate as recommended for Green Velvet Grass on preceding page. This mixture weighs 20 lbs. per bushel and will prove to be a remarkable success. 1 pt., **15c.**, *P. P. Weight, ½ lb.;* 1 qt., **25c.**, *P. P. Weight, 1 lb.;* 2 qts., **40c.**, *P. P. Weight, 2 lbs*; 4 qts., **75c.**, *P. P. Weight, 3 lbs.;* peck (5 lbs.), **$1.25**; bush., (20 lbs.), **$5.00**; 5 bush., **$24.00**; 100-lb. lots and over, **24c.** lb.

MICHELL'S WOODLANDS GRASS MIXTURE

At the instance of various customers on several occasions, it had been suggested that we list a grass formula for sowing in woodlands. After several tests, carefully followed up, we have arrived at a mixture of hardy grasses, that have given splendid satisfaction. It is especially adapted for thickly wooded locations (Norway Maples and Pine Trees excepted). In 6 to 8 weeks in normal weather conditions it will produce growth ready for the lawn mower. Persons desiring a grass mixture, that will do well in conditions such as we have described, will get splendid satisfaction from Michell's Woodlands Formula. On new ground sow at the rate of 4 bushels per acre; for renovating old land, 2½ bushels per acre. $1.00 per peck (5 lbs.); per bushel of 20 lbs., $4.00; $19.50 for 5 bushels; 100 lbs. and over at 19½c. per lb.

MICHELL'S EVERGREEN LAWN GRASS SEED

Where soil conditions and weather are ideal this mixture will in most cases produce a green sward in three to four weeks. It is composed of the finest native and foreign short growing and fine bladed lawn grasses and will form a turf which can only be approached for quality by a covering of real velvet. The quantity required to sow a given space is the same as that recommended for Michell's Green Velvet on page 50. It weighs 20 lbs. per bushel and every kernel is full of vitality. Prices: Pt., **15c.**, *P. P. Weight, ½ lb.;* qt., **25c.**, *P. P. Weight, 1 lb.;* 4 qts., **65c.**, *P. P. Weight, 3 lbs.;* peck (5 lbs.), **$1.00**; bush. (20 lbs.), **$4.00**; 5 bush., **$19.50**; 100-lb. lots and over, **19½c.** lb.

MICHELL'S SEASHORE LAWN GRASS SEED

The problem of establishing a good lawn at the Seashore frequently causes concern. If 3 or 4 inches of top soil is spread over the surface, and well firmed, an application of Michell's Special Formula Seashore Lawn Mixture will produce a good lawn in 6 to 8 weeks. An occasional application of pure Sheep Manure during the spring, summer and fall months will increase the strength and color of the grass. Our Formula has been thoroughly tested out in various localities, especially at the Atlantic seaboard resorts, and has given splendid satisfaction. If the soil is exceptionally poor, and it is not possible to apply a layer of topsoil, white Clover will help to make the sod thick and also protect the grass. Sow 4 bushels per acre, in making new lawns, or 2½ bushels per acre, in renovating old lawns. Per qt., 25c., *P. P. Weight, 1 lb.;* 40c. for 2 qts., *P. P. Weight, 2 lbs.;* 4 qts., 75c., *P. P. Weight, 3 lbs.;* $1.25 per peck; per bushel, of 20 lbs., $5.00; $24.00 per 5 bushels; 100 lbs. and over, 24c. per lb.

The above illustration represents an active scene on the course of the Merion Cricket Club, Ardmore, Pa. Their grounds and putting greens are pronounced by everyone who has seen them to be perfect. Much grass on this course was produced from Michell's Seeds; and it has been the means of bringing us many customers. The course was made by that well-known expert, Fred. G. Pickering, who constructed Wolliston, Woodland and the Belmont courses in Massachusetts, Lake Placid, N. Y.; Atlanta, Ga. and numerous others. However, that golf expert, A. H. Findlay, says, that the Merion course, Pickering's latest creation, is one of the prettiest golf courses in America. (The seed, of course, being responsible for a great deal of this.)

We are especially well equipped to supply separate varieties of grass seeds of the highest quality to clubs, professionals or others who desire to do their own mixing. Our Grass Seeds are all submitted to the U. S. Dept. of Agriculture and the leading Seed Testing Stations of Europe before they are allowed to be shipped to us by our growers. By such a rigid system our customers have absolute assurance to get nothing but the best. Samples are cheerfully supplied without cost.

MICHELL'S FAIR GREENS (Golf Course) MIXTURE

The formula for this mixture was reached after a lifetime experience of the late P. F. Foy, at the time Superintendent of the Philadelphia Country Club, Bala, Pa. These grounds were conceded to be and still are among the finest golfing turf in the United States; Michell's Grass Seeds have been sown there annually for many years. The mixture is composed of short-growing, deep-rooted varieties that resist plenty of wear. It retains its color well during the severest droughts, and the clubs mentioned below are a few of the many, whose courses are seeded with Michell's Fair Greens Mixture. Golf courses to retain their permanency should receive additional sowings during the season to replace any weak or wornout spots. Sow 6 bushels per acre.

Prices: Qt., 25c. (1 lb. P. P. Wt.); 2 qts. (2 lbs. P. P. Wt.), 45c.; 4 qts. (P. P. Wt., 3 lbs.), 75c.; 1 peck (P. P. Wt., 5 lbs.), $1.25; 1 bu. (20 lbs.), $4.50; 5 bus., $21.25; 100-lb. lots and over, 21¼c. per lb.

MICHELL'S PUTTING GREENS MIXTURE

While many greens keepers prefer to make their own mixtures for this purpose, there are some who rely on the ability and experience of the seedsman. Our formula for this has been reached after many extensive tests, and those who desire to sow it will not be disappointed in the results they get from it. It is a quick-growing mixture of short, thin-bladed grasses, over which the ball can roll without resistance. In sowing Putting Greens it is wise economy to be very liberal with the seed, as these places are subjected to continuous hard use. We do not recommend less than 1 bushel of 25 lbs. (and more is better) to a green 75 foot square.

Prices: 1 qt. (P. P. Wt., 1 lb.), 30c.; 4 qts. (P. P. Wt., 4 lbs.), $1.00; 1 peck (P. P. Wt., 6¼ lbs.), $1.75; 1 bush. (25 lbs.), $7.00; 5 bush., $32.50; 100-lb. lots and over, 26c. per lb.

WHITE CLOVER Choicest recleaned for sowing on lawns, pastures, etc. Sow 10 to 12 lbs. per acre (60 lbs. per bu.). ¼ lb., 15c.; 50c. lb.; 5 lbs., $2.40; $4.50 for 10 lbs.; bu. (60 lbs.), $24.00; $40.00 per 100 lbs.

A FEW GOLF COURSES THAT ARE SOWN WITH MICHELL'S GRASS SEEDS

Aronimink Golf Club, Pa.
Belfield Country Club, Pa.
Bon Air Club of Phila.
Bucks Co. Country Club, Pa.
Cape May Golf Club, N. J.
Country Club of Bristol, Tenn.
Country Club of Cleveland, O.
Des Moines Country Club, Ia.
Euclid Club, Ohio.
Germantown Cricket Club, Pa.
Huntingdon Valley Country Club, Pa.
Lansdowne Country Club, Pa.
Mayfield Country Club.
Mahopac Golf Club, N. Y.
Merion Cricket Club, Pa.
Old York Rd. Country Club, Pa.
Ottumwa Country Club, Ia.
Philadelphia Country Club, Pa.
Philadelphia Cricket Club, Pa.
Philmont Country Club, Pa.
Pine Valley Golf Club.
Plymouth Country Club, Pa.
Sea View Golf Club.
Sioux City Golf Club, Ia.
St. Davids Golf Club, Pa.
Sunnybrook Golf Club, Pa.
Westbrook Country Club, Ohio
West Chester Golf and Country Club, Pa.
White Marsh Valley Country Club, Pa.
Woodbury Country Club, N. J.

And many others, including numerous private golf courses.

Expert Information on Grass Given Free—either in person or by letter

Michell's Special Mixtures of Grasses

Fairmount Park Lawn Seed. A very fine mixture indeed, meeting the requirements of those desiring a moderately priced grass seed. Sow 4 bushels to the acre on new lawns or 2½ bushels in renovating old lawns. Prices: Per qt., 20c. (P. P. Wt., ½ lb.); 35c. for 2 qts. (P. P. Wt., 2 lbs.); 4 qts., 60c. (P. P. Wt., 3 lbs.); 85c. per pk. (3¾ lbs.); per bu. of 15 lbs., $3.00; $14.50 for 5 bu. 100-lb. lots and over, 19c. lb.

Michell's Poultry Yard Grass Seed Formula. Chickens love grass and should be placed on range, where they can get it as much as possible. Our formula germinates very quickly and makes a sod, that grows luxuriantly. We put plenty of clover seed in this mixture, as it is very nutritious and the fowls relish it. 20c. per qt. (P. P. Wt., ½ lb.); 35c. for 2 qts. (P. P. Wt., 2 lbs.); 60c. for 4 qts. (P. P. Wt., 3 lbs.); 85c. per pk. (3¾ lbs.); bu. (15 lbs.), $3.00.

Michell's Terrace or Embankment Grass Seed. Sow 4 bushels per acre. Per qt., 25c. (P. P. Wt., 1 lb.); 40c. for 2 qts. (P. P. Wt., 2 lbs.); 4 qts., 75c. (P. P. Wt., 3 lbs.); $1.25 per pk. (5 lbs.); per bush of 20 lbs., $5.00; 5 bu. $24.00; 100-lb. lots and over, 24c. lb.

Southern States Lawn Grass Seed. Made up especially for dry, hot localities, especially suited to the Southern States. 15 lbs. per bushel. Prices: 20c. per qt. (P. P. Wt., ½ lb.); 2 qts., 35c. (P. P. Wt., 1 lb.); 60c. for 4 qts. (P. P. Wt., 2 lbs.); pk. (3¾ lbs.), $1.00; $3.50 per bu.; 5 bu., $16.25; 100-lb. lots and over, 21c. lb.

Special Sod Grass Seed. A quick growing mixture, making a very tough and heavy sod in a short time; especially valuable for cemeteries, tennis courts, pleasure grounds, etc. 15 lbs. per bu. Prices: 25c. per qt. (P. P. Wt., ½ lb.); 2 qts., 40c. (P. P. Wt., 1 lb.); 75c. for 4 qts. (P. P. Wt., 2 lb.); pk. (3¾ lbs.), $1.00; $4.00 per bu.; 5 bu., $18.75; 100-lb. lots and over, 25c. lb.

Note—All Grass Mixtures except Putting Greens and "Fair Greens" contain white clover. Any of them, however, can be furnished without this.

Michell's Permanent Pasture Grass Seed. In the past few years ideas of what was the best way to establish a permanent grazing sod have undergone many changes. The then prevalent method of sowing timothy and clover has been found not only costly but too short lived to answer the purpose. The old custom has given way to the new, which is the sowing of a mixture of permanent grasses. Michell's Permanent Pasture Grass Seed is composed of about 10 of the best growing and most nutritious grasses and clovers for stock feeding or grazing. One sowing will last many years, although we advise additional sowings each autumn, just previous to which a light harrowing is recommended to give the grass a quick hold. Sow 3 to 4 bushels per acre on new lands or 2 bushels on established pastures (15 lbs. per bushel). Prices: Per qt., 20c. (P. P. Wt., ½ lb.); 4 qts., 50c. (P. P. Wt., 2 lbs.); pk., 85c. (3¾ lbs.); bu. (15 lbs.), $3.00; 5 bu., $13.75; 100-lb. lots, 18c. lb.; 200-lb. lots and over, 17c. lb.

Michell's Permanent Hayfield Grass Seed. While timothy is still extensively sown for this purpose, this mixture is gradually being adopted by the progressive farmer. Its main advantages are that certain grasses in the mixture will grow better in varying conditions of soil, thus giving a full crop of hay on land that otherwise might produce but a half crop of timothy and clover. Our formula is the outcome of thorough trials in every kind of soil. Sow 3 to 4 bushels per acre on new lands, or 2 bushels on established fields (15 lbs. per bushel). Prices: Per qt., 20c. (P. P. Wt., ½ lb.); 4 qts., 50c. (P. P. Wt., 2 lbs.); peck (3¾ lbs.), 85c.; bu. (15 lbs.), $3.25; 5 bu., $14.00; 100-lb. lots, 18c. lb.; 200-lb. lots and over, 17c. lb.

An **English Chain Harrow** is ideal in preparing grass lands.

No. 1—For 1 horse,	5 x 6 feet.	Weight, 126 lbs.....	$18.00
No. 2—For 2 horse,	6 x 7¾ feet.	Weight, 236 lbs.....	25.00
No. 3—For 2 horse,	9 x 11 feet.	Weight, 357 lbs.....	30.00

MICHELL'S RECLEANED GRASS SEEDS, in Separate Varieties

Bermuda Grass. For sowing as far North as Washington, D. C., above which latitude it is not hardy. 75c. per lb.; 5 lbs., $3.50.

Blue Grass, Fancy Kentucky (*Poa Pratensis*). Our stock of this is extra fine, thoroughly recleaned; sow 3 to 5 bu. per acre on lawns, 2½ to 3 bu. on pasture fields (bu. 14 lbs.). Per lb., 20c.; peck, 60c.; per bu., $2.25; $13.00 per 100 lbs.

Blue Grass Canadian (*Poa Compressa*). Makes an ideal pasture highly relished by cattle; excellent also for sowing on embankments; sow in same proportions as Kentucky Blue Grass Seed (bu. 14 lbs.). 15c. per lb.; bu., $2.00; $10.00 per 100 lbs.

Creeping Bent (*Agrostis Stolonifera*). Adapted admirably for lawns, also putting greens, tennis courts, etc., sow 4 bu. per acre (20 lbs. per bu.). 45c. per lb.; bu., $8.00; $37.50 per 100 lbs.

Crested Dogstail (*Cynosurus Cristatus*). Excellent as a pasture and lawn grass. Sow 3½ to 4 bu. per acre (21 lbs. per bu.). Price, 40c. per lb.; bu., $7.00; $30.00 per 100 lbs.

English, or Perennial Rye Grass (*Lolium Perenne*). (*Pacey's Fancy Short Seeded*). This makes the quickest returns in growth of any grass; is deep rooted and is readily established. Sow 3 bu. per acre (24 lbs. per bu.). Price, 15c. per lb.; per bu., $2.50; $10.00 per 100 lbs.

Fine Leaved, or Slender Fescue (*Festuca Tenuifolia*). This grass is especially valuable for dry soils. Sow 3 bu. per acre (bu. 14 lbs.). Price, 50c. per lb.; bu., $6.00; $37.50 per 100 lbs.

Herd, or Red Top Fancy Recleaned. This is one of the best grasses for sowing for immediate effect. Our stock is free from chaff and is absolutely pure. Sow 25 lbs. per acre (32 lbs. per bu.). Price, 35c. per lb.; per bu., $10.50; $30.00 per 100 lbs.

Herd, or Red Top Unhulled (*Agrostis Vulgaris*). Sow 4 to 5 bu. per acre on lawns or 3 bu. on pasture lands (10 lbs. per bu.). Price, 20c. per lb.; per bu., $1.60; $14.00 per 100 lbs.

Hard Fescue (*Festuca Duriuscula*). A splendid grass for golf links, tennis courts, etc.; will resist droughts. Sow 3 bu. per acre (12 lbs. per bu.). 30c. per lb.; bu., $3.00; 100 lbs., $22.00.

Italian Rye (*Lolium Italicum*). Very desirable for pasture; being an annual, it comes to maturity the first season. Sow 50 lbs. per acre (18 lbs. per bu.). Price, 15c. per lb.; bu., $2.00; $10.00 per 100 lbs.

PRICES SUBJECT TO MARKET CHANGES

Note.—If Grasses are wanted by parcel post, allow for postage when remitting.

Meadow Fescue (*Festuca Pratensis*). Sow 40 to 50 lbs. per acre (22 lbs. per bu.). Price, 20c. per lb.; bu., $3.25; $14.00 per 100 lbs.

Orchard Grass (*Dactylis Glomerata*). For early pasturing this is very desirable; also fine for sowing in shaded places. Sow 40 lbs. per acre (12 lbs. per bu.). Price, 25c. per lb.; per bu., $2.75; $18.50 per 100 lbs.

Red, or Creeping Fescue (*Festuca Rubra*). Very valuable for sowing on sandy soil and in shaded places. (14 lbs. per bu.). Price, 30c. per lb.; bu., $3.75; $25.00 per 100 lbs.

Rhode Island Bent (*Agrostis Canina*). For sowing at seashore resorts, on putting greens, tennis courts, etc.; 40 lbs. per acre (14 lbs. per bu.). 45c. per lb.; bu., $5.60; $37.50 per 100 lbs.

Sheep's Fescue (*Festuca Ovina*). This makes an excellent grass for sowing on lawns, fields, or pleasure grounds. Sow 40 lbs. per acre ((12 lbs. per bu.). Price, 30c. per lb.; bu., $3.00, $22.00 per 100 lbs.

Sweet Vernal *Annual* (*Anthoxanthum Odoratum Puelli*). Sow 5 lbs. per acre with other grasses. Price, 25c. per lb.; 5 lbs., $1.00.

Sweet Vernal *Perennial* (*Anthoxanthum Odoratum Real*). Price, 60c. per lb.; 5 lbs., $2.75.

Tall Meadow Oat (*Avena Elatior*). A valuable lawn and pasture grass. Extremely valuable for use in the South. Sow 5 bushels per acre (10 lbs. per bu.). 25c. lb.; bu., $2.25; $20.00 per 100 lbs.

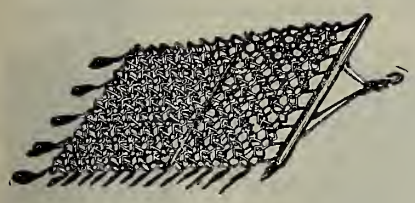
Timothy (*Phleum Pratense*). Sow one-half bu. per acre alone (45 lbs. per bu.). 12c. per lb. Price varies constantly; ask for quotations.

Various Leaved Fescue (*Festuca Heterophylla*). Thrives well in low moist soils, matures early and is very hardy, good for shaded locations. Sow 40 lbs. per acre (15 lbs. per bu.). 35c. per lb.; bu., $4.50; $27.50 per 100 lbs.

Wood Meadow (*Poa Nemoralis*). The best grass for sowing under trees where a lawn is desired. Sow 30 lbs. per acre (14 lbs. per bu.). Price, 45c. per lb.; bu., $5.75; $40.00 per 100 lbs.

Full Description of all grasses listed here is given in a special Booklet entitled "The Lawn," mailed free for the asking (hc)

SCOTCH CHAIN HARROW



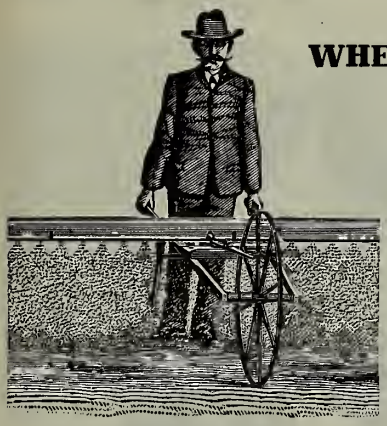
One of the best implements for pulverizing the surface soil, leveling and smoothing, and is also splendid for covering grass seeds, etc. Used on driveways and race tracks, it smooths the surface, eliminating ruts and footprints.

		Weight	
No. 1F.	One-horse size, 5 x 6 feet	126 lbs.	$17.50
No. 2F.	Medium two-horse, 6 x 7¾ feet	236 lbs.	25.00
No. 3F.	Full two-horse size, 9 x 11 feet	357 lbs.	30.00

THE STEVENS FERTILIZER DISTRIBUTORS

For distributing bone meal, wood ashes, and other commercial fertilizers on fields, lawns, golf courses, etc. Insures perfect and even distribution, requiring less time than by the broad cast hand process. **Hand Machine** holds about 1¾ bu., nicely finished, covering area 3 feet wide. This style is adapted to distributing sand over Putting greens. Price, $12.00.

Horse Machine. This style is suitable for use on large lawns, fields and Golf grounds. It has a device for regulating the quantity to be sown. It is equipped with broad tires, which do not readily cut into the ground. It is furnished equipped for either one or two horses as may be desired. 5 ft. 10 in. spreading area, $42.50; 8 ft. 3 in. spreading area, $47.50; 10 ft. 3 in. spreading area, $50.00.



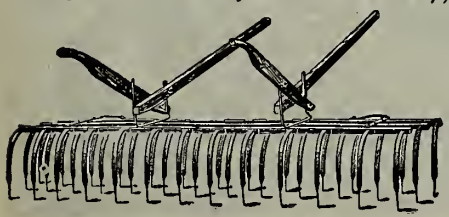
WHEELBARROW GRASS SEEDER

This machine is now largely used for distributing grass and other seeds over large areas. The distributing box is very near the ground, which is an important feature, preventing the seed from blowing away and thus coming up unevenly.

No. 5 (14 feet sowing area), $7.50.

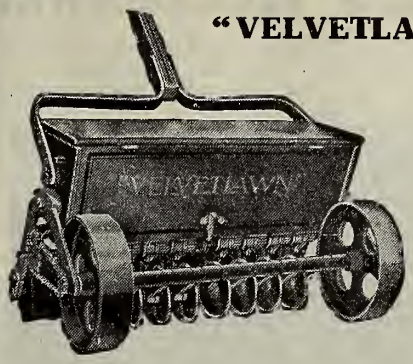
KEYSTONE ONE-HORSE WEEDER

This is an ideal implement for covering Grass seeds after sowing, just prior to rolling; also they can be used to great advantage in stirring the soil after a rain, prior to seeding, if a period of time has elapsed, between ploughing, harrowing and seeding. It can be adjusted to cover a 7½-foot stretch or graduated down to a 2½-foot stretch. Any of the teeth can easily be removed, if it is desired not to cultivate very finely. The teeth are narrow, go into the soil easily; do not cultivate deep, like other machines. Price, $10.00.



The Keystone Adjustable Weeder

"VELVETLAWN" SEEDERS



An excellent machine for properly sowing grass seed. It places it in the ground in close furrows, covers and rolls it at one operation. The result is an even, quick growth of grass. May also be used for distributing fertilizers. The horse machine is especially valuable for seeding large golf courses, pastures and lawns on private estates; for drilling in clover, alfalfa and similar seeds it works perfectly. Either machine is adapted to sowing either new lawns or old, but the problem of putting seed on old lawns and being sure it is properly covered so it will not blow away, but grow, is solved by these machines entirely. Any light horse handled by a boy can use the larger seeders, while an average man can handle the small machine.

Hand Machine, seeding 16-inch area. Price, $15.00 without press wheels; with press wheels, $18.00.

Horse Machines	Price
1 horse, seeds 48-inch area, with drag chains	$45.00
1 " " 48 " " " automatic press wheels	55.00
2 " with drag chains	55.00
2 " with automatic press wheels	67.00

We guarantee these machines to give absolute satisfaction.

THE CHAMPION SOD CUTTER

The best and most satisfactory machine on the market. Sod cutters are now used extensively where any great amount of cutting is to be done; work can be accomplished better with this machine; you can cut as much in one hour as two men all day.

Price, $23.00.

Extra Knives for Sod Cutters ..... each $4.50

PUTTING GREENS ROLLERS

The day of the heavy roller, so far as its use on putting greens is concerned, has passed. Greenskeepers have found that a roller about 4 feet wide, weighing about 150 pounds, is the right thing. This is designated as a Golf Greens Roller. It is evenly surfaced and will not leave a mark or ridge on the greens. These rollers can be supplied by us and should be used every few days during Spring and early Summer and again in the Autumn.

	Price
4 sec., wood,	$16.00

"VELVET GREEN" LAWN ROLLER CARTS

Unfortunately space will not permit us to illustrate here a cut of this extremely valuable apparatus, for use on Golf grounds or lawns. The device consists of a roller, 3 sections, made of iron, equipped with shafts, and a large weight box, directly on top of the roller. In addition to its being suitable for firming the sod, it also serves as a receptacle for containing leaves, sticks, stones or rubbish, that may have collected on the ground. Weight, 900 lbs. Price, $50.00 f. o. b. factory or $55.00 f. o. b. Philadelphia.

MICHELL'S RECLEANED CLOVERS (PRICES SUBJECT TO MARKET CHANGES)

This line with us is a specialty. It is always economy to buy the best in farm seeds and that is just what we offer. We are extremely careful to see that all of our seeds are of the highest purity and germination tests, and our very large business in this department tends to show that this policy is the wisest.

An Alfalfa field will prove a good investment on any farm

Alfalfa or Lucerne (*Medicago Sativa*). The most valuable forage crop on the American farm today, and can be truly termed a mortgage lifter. It is sown during May, August and September, these being the best months for success, although it can be sown at other times with a possible chance of doing well. Careful preparation of the soil previous to sowing is the main thing. Our special Circular on Alfalfa goes into this carefully and is free for the asking. Sow not less than ½ bushel (30 lbs.) per acre preferably with no other crop. *Our seed is always over 99% pure,* and will invariably give the best of results. Price, per lb., 25c. Write for price on larger quantities, as it changes.

Alsike or Swedish Clover (*Trifolium Hybridum*). One of the best for mixing with timothy; it is perfectly hardy in every climate or soil condition and seldom has to be reseeded. Under ordinary conditions it grows from 1 to 2 feet high, is sown early in the spring or late summer and early autumn. It is as nutritious as red clover and is rapidly coming to the front as a valuable farm crop. The flower resembles the white clover except that the head is larger and has a red tinge on the edge. Sow 10 to 15 lbs. per acre alone or 8 lbs. per acre with timothy. Price, 25c. lb. Price on larger quantity on application.

Bokhara or Sweet Clover (*Melilotus Alba*). While extensively used as a bee food, this is a valuable variety for soiling (green manure); for sowing in spring on lands which are later to be sown in Alfalfa, this is an excellent article. It inoculates the ground and seems to render it more capable of insuring a good stand of Alfalfa than if it is not used. It grows from 3 to 5 feet high, according to soil and location; can be cut often as three times in a season if wanted for forage. Sow 15 lbs. per acre in early spring, alone, or 10 lbs. per acre with other crops. We handle only the true white flowering hardy variety. Price, 35c. per lb.; 10 lbs., $3.00.

Crimson Clover (*Trifolium Incarnatum*). Delaware Grown Seed. This is used principally for soiling or green manuring, for which purposes it is highly valuable. If desired for feed, cut it just before it flowers. When desired for green manure it should be allowed to mature; its height is from 1 to 2 feet. Sow any time from April to October, the earlier the better, 20 lbs. to the acre. If sown in early spring it can be plowed down the first year, although no other crop can be raised on the field that season. Fall or late summer seeding makes it possible to use the field the following season. It is not hardy for more than one season and must be sown each year, flowers crimson. Price, 15c. per lb.; larger quantity prices on application.

Mammoth Red Clover (*Trifolium Pratense Perenne*). Sometimes called Sapling or Pea Vine Clover and English Cow Grass. This differs from the "Medium," being of a ranker growth and yielding more fodder per acre. It ripens somewhat later and is more hardy, lasting several seasons longer than the medium red clover. It also does well on poorer soils. The seed cannot be distinguished from the former. Our supply, however, is strictly reliable. Sow in early spring or in July and August, using 20 lbs. per acre alone or with other crops 10 lbs. per acre; flowers pink. It can be harvested several times in a season. 25c. per lb.; larger quantity prices on application.

Red Clover, Medium (*Trifolium Pratense*). More widely known and used than any other, used principally for hay purposes. Height from 18 inches to 2½ feet. Sow early in the spring or in late summer—July and August; if alone, 20 lbs. per acre; if with other crops, 10 lbs. per acre. A red clover field can usually be cut twice in a season. It is not hardy for a period of years, being usually resown every third season; flowers pink. Price, 25c. lb.; larger quantity price on application.

White Dutch or Lawn Clover (*Trifolium Repens*). This is valuable for pasturage; it succeeds where other clovers and grasses fail, and it seldom dies out. It can be sown at all seasons although early spring is best; flowers greenish white. Sow 10 to 12 lbs. per acre if alone or 5 lbs. if sown on old turf or with other crops. ¼ lb., 15c.; 50c. lb.; 5 lbs., $2.40; $4.50 for 10 lbs.; bu. (60 lbs.), $24.00; $40.00 per 100 lbs.

Our Strains of Red Clover in both Mammoth and Medium types are usually fine

Allow 22c. for each 2-bushel Bag for shipping clovers. (These are returnable for credit) (ha)

ALFALFA FROM A WELL PREPARED SEED BED—NO INOCULATION

ALFALFA FROM A WELL PREPARED SEED BED—INOCULATED

It will be seen that the yield of the latter is almost double that of the uninoculated seed

NITROGEN-GATHERING BACTERIA

THE WONDERFUL FERTILIZER FOR LEGUMINOUS CROPS

ALFALFA AND OTHER LEGUMINOUS FARM CROPS WILL GROW MORE ABUNDANTLY

if the soil is properly sweetened with lime and worked to a good seed bed and the seed inoculated with high-bred bacteria. Without bacteria, of the proper variety, in sufficient amounts (and in an active nitrogen-gathering condition) it is impossible to successfully grow alfalfa or other legume crop.

A United States Department of Agriculture Bulletin says:—

"It is worse than useless to attempt to grow any leguminous crop without being certain of the presence of the bacteria, which enable the plants to fix free nitrogen. Certain regions are practically devoid of the right kind of bacteria, and unless some artificial means of inoculating with the germ is resorted to, the crop will be a failure."

High-bred bacteria meets every condition above mentioned. They are grown and selected by a costly laboratory process until they develop the wonderful possible power of creating 2000 pounds of nitrates to the acre, while bacteria which may be found to exist naturally in the soil at various sections throughout the country create not more than one quarter of this amount.

High-bred bacteria is delivered in bottles ready to use by diluting with a little water and sprinkling on the seeds. Seed for ten acres can be thoroughly inoculated in ten minutes. The method of inoculation by means of a transfer of soil from fields in which a legume plant is or has been grown, is not only very costly, but weeds, molds and various soil diseases have been spread over wide areas by this primitive and unsatisfactory method.

The great Fertilizer Value of Legumes depends entirely upon Inoculation with Farmogerm. 1000 to 2000 Pounds of Nitrates to the acre can be deposited in little sacks or nodules on the roots of the legumes, which will be immediately **available for any following crop.** Legumes embrace all of the various types of clovers, peas, beans and such other plants that have blossoms similar in shape and form as the above named. This type of plant has the ability of taking from the air vast quantities of free nitrogen, which exists there and which is not absorbed by other plants than those which belong to the legume family. This nitrogen is taken (breathed so to say) through the stems of the plant and deposited at the roots in little sacks or nodules, where it becomes immediately available as plant food in the form of nitrates. The application of bacteria to the seed of these legumes when planting practically trebles the nitrogen-gathering power and for this reason we urge all planters to use it on all such occasions. Please note that the bacteria is not applicable to any other class of plant through inoculation, except as noted below; succeeding crops, though, following on ground where bacteria was used, derive tremendous benefits, as many plants that are not legumes require quantities of nitrates as plant food.

Note.—Our list this year includes three well known brands of bacteria, all widely advertised. Our purpose in offering them all is to give customers the opportunity of selecting their favorite brand.

FARMOGERM

No. 1 for Red, White, Crimson and Alsike Clover.

No. 2 for Alfalfa or Lucerne.

No. 3 for Vetch or Canada Field Peas.

No. 4 for Soja Beans and Cow Peas when sown in mixture only.

No. 5 for Garden Peas, Garden Beans (Pole and Bush) and Sweet Peas.

Small size in No. 5 only. 25c. for trial size; garden or ¼-acre size, for all crops as offered, 50c. (postpaid); 1-acre size, $2.00 (postpaid); 5-acre size, $6.00 (P. P. Weight, 3 lbs.).

NITRAGIN

The product of Armour & Co., which should convince any one that it has merit.

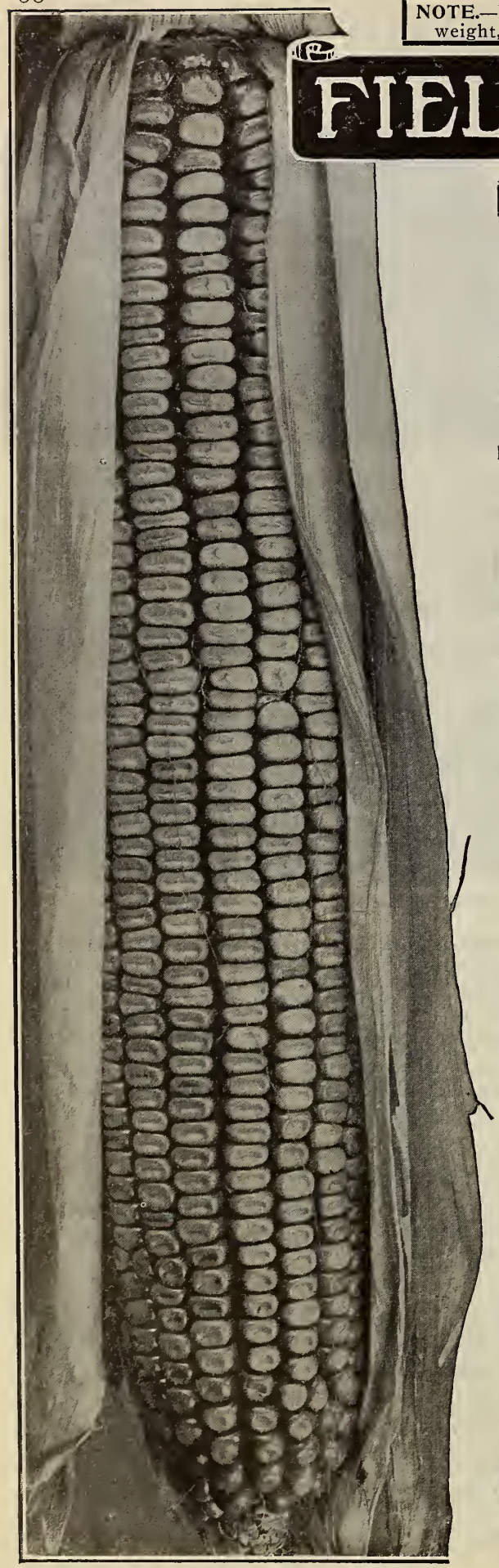
No.		No.	
1.	Alfalfa.	13.	Canadian Peas.
2.	Sweet Clover.	14.	Cow Peas.
3.	Red Clover.	16.	Garden Beans.
4.	Crimson Clover.	17.	Lima Beans.
5.	Alsike.	20.	Soja Beans.
8.	White Clover.	22.	Spring Vetch.
10.	Mammoth Clover	23.	Winter Vetch.
12.	Garden Peas.		

Prices for any of the above Nitragin Cultures. Garden size, $1.00; $2.00 for 1-acre size; for 5-acre size, $9.00. Larger quantities at $1.75 per acre.

STANDARD SEED AND SOIL INOCULATION

This moderately priced material has been tried out extensively and proven very satisfactory. As there is a general demand for it, we will be glad to furnish our trade, whoever desires it. Standard Seed and Soil Inoculation can be furnished for any of the leguminous crops, as noted under the headings for Farmogerm or Nitragin. On account of its low price, anybody can afford to inoculate leguminous crops freely. One-acre bottles, the only size in which this comes, at the price of 50c. per bottle. Parcel Post Weight, per acre bottle, 1 lb.

NOTE.—If Field Corn is desired by parcel post, allow for postage, 1 qt. weight, 2 lbs., also 22c. for each 2-bushel seamless bag returnable.



FIELD SEED CORN

Prices on Field Corn subject to market changes

Plant 8 to 10 qts. per acre in hills sow 2½ to 3 bushel broadcast for fodder

Our strains of corn are not the common kinds usually found in abundance on the market, we pay as much attention to carefully selected stocks in all lines of farm seeds as we do the critical vegetable and flower seed part of the business. This is particularly true of field corns where re-selection means the limit of crop with little or no increase in cost. It is amazing to realize where the old unselected seed is used the average crop per acre is only half compared to the more intelligent selection of strains. Our stock is selected for size of ear and fodder, uniformity of kernel and the careful finish of the tip and butt, all of which mean a considerable increase in production.

Never use feeding Corn for Seeding Purposes

Leaming Early Dent (*Pedigreed Stock*). This variety has always been used foremost by most planters of field corn. It is readily distinguished by the beautiful long ears of deep grained, uniform kernels, resplendent in a deep shade of golden orange. The cob when shelled is very small and of reddish color. The stalks grow about 7 feet, very leafy, excellent for fodder, and on the average will produce two ears to the stalk. This strain assures the largest ears with every kernel perfect; ripens in 90 days and occasionally crops 100 bushels to the acre. On the ear only in 1 bushel crates, $4.00 per crate; 5 bushels for $18.75. (Stock of this limited.)

Leaming Early Dent. This is our usual carefully grown stock, which is excellent in every respect. Qt. 15c., 40c. for 4 qts., peck 60c., $2.25 per bu.

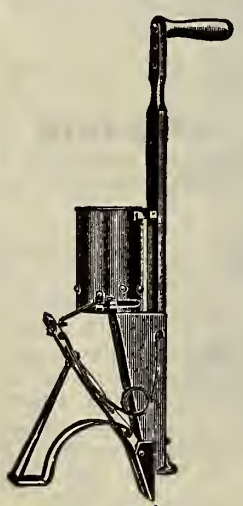
Golden Beauty. The broad massive golden yellow dented grains are arranged very evenly on gigantic cobs. The fodder is enormous, often growing 12 feet high; it matures late but yields wonderful crops; desirable for silo and ensilage purposes. Qt. 15c., 40c. per 4 qts., peck 60c. $2.25 bu.

Chester County Mammoth. A native variety of this vicinity, grown especially for us by a private expert corn raiser. The ear and stalk are almost as large as Golden Beauty. The dented kernel is deeper, however, and of a light yellow shade; a late maturer. Qt. 15c., 35c. per 4 qts., peck 60c., $2.25 per bu.

Cloud's Early Yellow Dent. Our stock of this is grown by the originator, who is extremely careful. Every grain is uniform and perfect. Though the fodder grows often 10 feet high, the crop is matured in 100 days. The ear is about 10 inches long with a very thin cob when shelled, while the canary yellow grains are about ¾ of an inch long. It delights in rich soil if the best is expected of it. Qt. 15c., 40c. for 4 qts., peck 65c., $2.25 per bu.

100 Day Bristol. This matures within the time named and produces large stalks. The ears are about 9 inches long, very thin cob when shelled. The sulphur yellow grain is dented, very broad and not very deep; an easy variety to husk. 15c. qt., 4 qts. 35c., 60c. peck, bushel $2.25.

Early Canada Flint (*Eight Rowed*). This is a medium broad grained variety, perfectly smooth on the end and very hard. Makes a desirable sort for late planting. The cobs are very thin when shelled, excellent for pigeon and poultry feed. Qt. 15c., 35c. for 4 qts., peck 60c., $2.25 per bu.



American Hand Corn Planter

Hickory King. A very broad dented white grain, white cob variety, for ensilage, silo and fodder purposes it is ideal. It matures very late, but is an enormous producer. Qt. 15c., 35c. for 4 qts., peck 60c., $2.25 per bu.

Virginia Ensilage. This grows invariably 12 to 14 feet high, stands up during the most severe windstorms. The seed is white, very deep and broad, with a thin red cob. It is the principal ensilage corn of the South. It will yield more fodder than any other variety. Qt. 10c., 30c. for 4 qts., peck 60c., $2.00 per bushel.

Red Cob Ensilage. A long narrow white grain, a late maturer and used for silo, green feed or ensilage purposes. A tall rank grower and prolific in leaves. 10c. qt., 4 qts. 30c., 50c. peck, bu. $1.85.

Eureka Yellow Dent, for Ensilage. Light canary yellow deep grained fine ear and fodder. Qt., 15c.; 35c. for 4 qts.; peck, 60c.; $2.25 bush.

AMERICAN HAND CORN PLANTER

A planter of this type is a great economizer of seed, besides saving an enormous amount of labor by rapid planting. Price, $2.00.

MICHELL'S HIGH GRADE FARM SEEDS, Etc.

We make a specialty of Farm Seeds, and on this and the following 3 pages will be found a list of the popular kinds. They are all extra recleaned of new crop and should give splendid satisfaction. Prices are not named here for large quantities as they fluctuate constantly, however we will be pleased to quote prices before shipping, or if customers wish we will fill their orders at lowest prevailing rates for high quality seed.

Always allow 22c. for each two bushel seamless bag when ordering farm seeds. These are returnable for credit at the price charged.

ALFALFA (*See page 56*)

ARTICHOKES (*See page 49*)

BUCKWHEAT

In the locality of Philadelphia this is sown anywhere from June 1st to July 15th; one bushel of 48 lbs. broadcasted to the acre. If one has the ground prepared and the opportunity, it can be sown as early as May 1st. It makes a very fine quality of flour, and is largely used for poultry food. For planting adjacent to game preserves it provides excellent food for the birds. The flower makes ideal bee food; while the straw is very abundant. Our seed is grown by a specialist in New York State, who procures his seed stock every few years from Japan. Any of the clover crops can be sown with buckwheat, these to mature the following season. Buckwheat frequently yields as much as 80 bushels to the acre.

Silver Hull. Late maturing variety; grain making whiter flour; very prolific.

Japanese. Very early variety. Dark, large grain. Price of Buckwheat, 15c. per quart; per peck, 50c. For larger quantities, price on application.

A Field of Japanese Buckwheat

BEANS, SOJA OR SOY

This very valuable farm plant enriches the ground in which it is planted by the free nitrogen gathered from the air and which is deposited in the ground by the roots, leaving it in ideal condition and rich in nitrogen for the next crop. Fodder is relished in either green or dry form by cattle and dairy cows. Excellent to combine as feed with other hay or corn. The seed when harvested and ground into meal gives milk a very rich flavor and is fed with great advantage to milch cows mixed with bran or any other soft feed. Plant ¾ bushels to the acre in drills 2½ feet apart, which will place the plants about 10 to a foot, anywhere from the 1st to the last of May. If wanted for silo it will be ready for harvest about the first of September or earlier, when the pods will be well filled; yields as high as 20 tons of green food per acre. (Per bushel, 60 lb.)

Mammoth Yellow (*Late*) | **Ito San** (*Very Early*)
Early Hollybrook | **Wilson** (*Early*)

Prices on Application

BARLEY

There is a threefold purpose in growing barley. Its straw is good for green feed or when cured, as hay. The grain in the hull is excellent poultry feed and with the latter removed is used in the household. It is a quick growing crop and very nutritious. If wanted for hay it should be cut while the grain-head is in a soft or milky condition. Sow broadcast 1½ to 2 bushels per acre from May 15th to July 1st. 48 lbs. per bushel.

Beardless. N. Y. grown stock frequently yields 50 bushels per acre. 15c. qt. Larger quantity. Price on application.

Primus (*Swedish Svaloef Pedigree Bearded*). This strain of barley is the finest in the land, and if looking for something extra in quality, this is the strain to plant. We have the genuine seed. Our supply being procured direct from the Swedish Agricultural Society, which is controlled and directed by the Government of Sweden. $1.00 per peck, per bushel, $3.25.

BROOM CORN "EVERGREEN"

The chief value of this plant lies in the top or brush, as it may be called, which is made into brooms. The fodder is suitable for bedding and grows to a height of about nine feet. This sort produces extremely straight brush, retaining its green color well after ripening, thus commanding highest market prices. Sow in May about ten pounds per acre in drills 3 feet apart. Plants should be thinned out to stand 3 inches apart in the row. It is usually in condition for cutting on the first approach of the frost, the brush part being gathered first. Yields 1000 lbs. of salable brush per acre. Bushel, 46 lbs. 15c. qt. Larger quantity price on application.

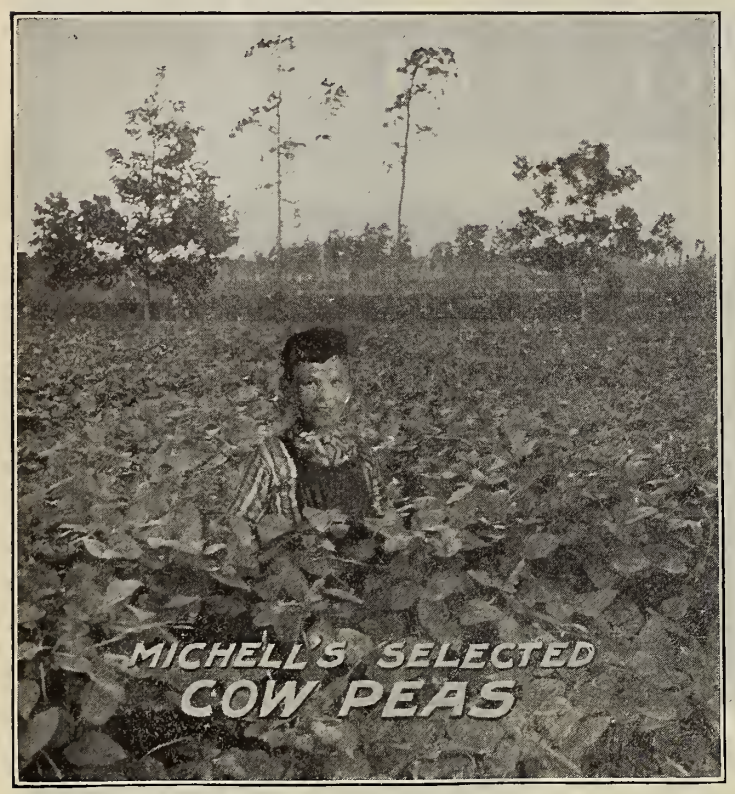
CLOVERS (*See page 56*)

FLAX

This is grown for the fibre from which linen thread is made and also for the seed from which that indispensable product, "Linseed Oil," is made. When ground it makes an excellent tonic when fed to horses, cattle and poultry. If sown to harvest seed, plant a bushel to the acre from May 15th to June 15th. If desired for the fibre, sow 1½ to 2 bushels (bushel, 56 lbs.). Lb., 10c.

Beardless Barley

GRASSES see pages 50 to 54 inclusive.



COW PEAS

Note: Occasionally some people order **Cow Peas**, thinking they are the same as **Canadian Field Peas** and sow them early and in consequence they do not germinate, as they do not stand cold, and the innocent seedsman is blamed for what is not his fault. There is a wide difference between Cow Peas and Canadian Peas, the latter which are offered in the opposite column.

Cow Peas are one of the best, largest yielding and most nutritious of the farm crops; they provide the most inexpensive methods of bringing soil back to a stage of fertility. In the South it is the staple forage crop for winter feeding. On ordinary ground they will yield from 10,000 to 20,000 lbs. of green fodder to the acre. They grow in the poorest kind of soil, taking the free nitrogen from the air, which it deposits in the ground through the roots, leaving it very rich in ammonia. The short-growing varieties are best for turning under as green manure, while the trailing sorts are desirable for hay. Cattle, sheep or hogs can be turned into a field of them and they will eat it off greedily and the stubble can be plowed under. In the latitude of Phila., sow from May 1st to July 1st, 2 bushels per acre broadcast, or 1 bushel per acre in drills. For a large crop sow the seed as late as possible and not too thick.

Black. One of popular varieties extensively grown. It is very prolific and matures early. It is of upright growth, consequently preferred for ploughing under or for raising stock.

Large Black Eye. An exceedingly heavy cropper, but late to mature. In the South, the seed of this variety is sold for dried peas for household use, and it is claimed they are quite delicious.

Whippoorwill. Medium early, upright growing. variety extensively used, more than any other. The seed is brown and gray speckled. It is a heavy producer of both pods and fodder. Some claim this variety gathers more nitrogen than others.

New Era. Of upright growing habit, quick to mature and remarkably prolific in both vines and pods. The seed is smaller and requires only from ¾ to 1 bushel for sowing an acre.

Early Ramshorn. This is a black eyed varicty, but much earlier than the regular black eyed type. The vines are enormous with an abundance of pods.

Prices: These fluctuate constantly; will be quoted on request.

NITROGEN-GATHERING BACTERIA
This will be found a very valuable preparation in connection with plantings of Cow Peas. See page 57 for full particulars.

Canadian Cluster Oats

CHOICE SEED OATS

Our prices are all based on the legal weight of 32 lbs. per bushel. Sow from April till June, 3 bushels to the acre.

Ligowo II (*Pedigreed Swedish Svaloef*). This is the heaviest strain of oats we've ever handled; it produces enormous grain heads and tall, erect straw. 65c. peck; bushel, $2.50.

Swedish or Washington. The long erect straw is noted for its ability to stand up in rough weather; grains are very plump and nearly pure white in color; this variety is especially free from rust and other disease. 15c. qt.; peck, 40c; $1.50 bushel.

Canadian Cluster. This variety is an enormous yielder, producing very large heads. Originally brought from the oat-belts of Canada, but has now been thoroughly acclimated to the climate of the United States. 15c. qt.; peck, 45c.; $1.50 bushel.

Storm King (*Pedigree Stock*). Our strain of this variety was brought from Russia three years ago and is, without a doubt, the finest and plumpest oats we have ever seen. The straw is very stiff, often measuring five feet in height. Our supply of this is limited and we recommend early ordering, as the demand usually exceeds the supply. Often yields 85 bushels per acre. 20c. qt.; peck, 60c.; $2.00 bushel.

Welcome. This is one of the popular varieties, extensively grown in the locality of Phila.; it yields a heavy stiff straw and is a large producer. 15c. qt.; peck, 35c.; $1.20 bushel.

FIELD PEAS (Canadian)

These are used for various purposes, chief among them being a very early green food; when used this way they are sown with oats about April 1st at the rate of 1½ bushel of Peas and 1½ bushel of Oats to the acre either drilled or broadcasted. They are cut just after the peas flower and fed green; sheep, hogs and cattle relish them keenly. They may be sown successively up to July if one has the available land. Peas may also be sown alone at the rate of 3 bushels per acre and furnishes excellent hay. For plowing under as green manure, they add a vast amount of nitrogen to the soil and succeeding crops sown there the same year or even later, particularly wheat, are wonderfully benefitted by producing a more luxuriant growth and larger yield. The dried peas are extensively fed to pigeons while when ground as meal is an excellent addition to the regular soft food of cows, sheep and horses. Price changes constantly and will be quoted on request.

CARROTS

See offer under heading of Vegetable Seeds.

CATTLE BEETS (Mangel Wurzel

See offer under heading of Vegetable Seeds.

COTTON SEED

Sea Island. If sown early in May, will mature in the latitude of Philadelphia. Pkt., 5c.; 10c. per ¼ lb.; lb., 20c.; 75c. for 5 lbs.

KAFFIR CORN—White, for Seed

This belongs to the Sugar Cane family and has great drought-resisting qualities; the grain is used for feeding poultry and the fodder for cattle, is ideal for planting where the corn seed has failed to germinate and it is too late to replant. Grows from 4 to 6 feet high, the grain being produced on the top of a stalk in the shape of a brush; frequently as many as four heads of grain will be found on a single stalk. It usually ripens after the first few frosts; produces enormous crops. Can be sown as late as July at the rate of 10 lbs. per acre in drills. Bu. (56 lbs.), 10c. qt. Price for larger quantity on application.

RAPE

Dwarf Essex. This makes an indispensable green food for sheep and hogs. It can be pastured 8 weeks after sowing; the growth is enormous; if one has the available land it is good to sow in succession, as the stock eat it close to the ground and it will not stand pasturing any great length of time; this, of course, depends on the number of head turned on an acre. Sow 6 lbs. per acre broadcast or in drills from April 1st to October 1st. It produces enormous crops and is ideal green manure. Experiment Stations recommend that stock, feeding on it, should have ready access to salt. This is an ideal food for young lambs and hogs and does well under trying conditions. 15c. lb. Price for larger quantity on application.

A Head of Japanese Millet

MILLET

Can be sown as late as July 15th and yield a tremendous crop. Is also desirable for green manuring, when it should be turned under when about 10 inches high. It makes an excellent green food for stock not allowed to pasture. If used for hay and dried it should be cut just as it matures.

Hungarian. The seed produces hay not so fine in quality as the "German," also fully a foot less in height, it can, however, be sown some 2 weeks later. Sow 1 bushel (48 lbs.) per acre. 15c. qt. Price on larger quantities on application, account of change in market value.

Japanese Barnyard. This wonderful Millet yields possibly more fodder than any other forage plant that requires so little to sow an acre. Frequently as high as 12 tons of green food has been obtained from an acre. If sown early in May it may be cut twice in one season. Sow 12 lbs. per acre broadcast anywhere from May 1st to June 15th. 10c. lb.

Pearl (*Pencillaria Spicata*). A valuable fodder plant. Enormously productive. Sow in drills 2 feet apart, 10 to 12 lbs. per acre. 12c. per lb. Price for larger quantities on application.

Tennessee, German or Golden. This requires a longer season to mature than the other sorts; it produces, however, a very fine quality of hay and makes a larger seed head. In good seasons it grows about 4 feet high. Sow 1 bushel (48 lbs.) broadcast to the acre, from April 10th to July 10th. 15c. qt. Price on larger quantities on application, account of change in values.

SEED RYE

Spring. This furnishes an excellent early green food if cut, or for pasture; the grain is used for feeding and other purposes, while the straw is a very fine quality, making a larger yield than the winter rye from which it is quite distinct, the seed being smaller. Sow 1½ bushels broadcast or in drills from May to June 1st. 56 lbs. per bu. 10c. qt. Price for larger quantity on application.

Thousandfold Winter. This makes a fine winter cover crop, being usually sown in the autumn as late as November, making a very fine yield of long stiff straw. Winter rye will not mature if sown in spring. Sow 1½ bushels per acre. 10c. qt. Larger quantity price on application.

SUGAR CANE or SORGHUM

Early Amber. Either green or in a cured state this makes ideal cattle food; it imparts a desirable flavor to milk. The seed can be thrashed out of the stalks and used as poultry feed. It is a tremendous producer, growing often 12 feet high; it stands the hot, dry weather and can be cut several times in one season. Sow 25 lbs. of seed to the acre in drills 3½ feet apart; 1 or 2 bushels broadcast. Bu. (48 lbs.), 15c. qt. Larger quantity price on application.

Sorghum Makes Fine Green Food for Dairy Cows

A Bumper Crop of Spring Rye

TIMOTHY SEED

Each year we handle a number of carloads of this. We aim to sell the purest and highest germination quality. Our prices are as low as quality will allow. **Price, 15c. per lb.** Samples and quotations on larger quantities cheerfully on request.

TEOSINTE (Reana Luxurians)

This is used extensively in the South, where it is, at times, difficult to grow forage crops on account of the long periods of drought and frequently poor soil; a single plant makes a tremendous growth, often producing as many as fifty stalks. Its foliage is like corn leaves, very broad and contain a sweet sap. Cattle eat it with a relish. It stands 5 feet high when matured, but it can be cut when two or three feet high. It produces new branches or stalks from the roots. Sow during May and June in drills 3½ feet apart, 5 to 6 lbs. per acre. 75c. lb.; 5 lbs., $3.50.

SUNFLOWER

Mammoth Russian. This makes a splendid poultry food, especially for winter use, on account of its heating and fattening qualities. Will yield sometimes as high as sixty bushels per acre. Harvest after first few frosts, cutting the seed head from the plant, piling them loosely on the grain floor or hanging them in bunches on the rafters of the barn until thoroughly dry. Sow 10 qts. per acre in drills 3 feet apart, dropping the seed about every 4 inches. 10c. qt. Price for larger quantity on application.

SPELTZ or EMMER

This grain resembles wheat but is a much larger yielder, producing frequently as high as 80 bushels of grain per acre, and that on the poorest land. The hay if cut green is desirable for horse or cattle feed, while the straw after thrashing is equal to the best wheat. The grain is desirable for feeding to hogs or poultry. Sow as you would wheat, 2 bushels to the acre any time after April 1st; the earlier the better. 15c. qt. Price for larger quantity on application.

VETCHES or TARES

This has been used in Europe for many years as a stock food and green manuring or cover crop. It does best if sown with rye, the latter gives it support and thus ensures enormous crops. It makes an ideal hay and it is a pity that every American farmer does not use it. It fertilizes the ground without further trouble or cost, on account of the free nitrogen it gathers from the air. It produces a peculiar vine plant with very narrow foliage and elongated flowers of pinkish white in clusters. The height when supported is frequently 4 feet.

Winter Vetch (*Vicia Villosa*). Sometimes called Sand or Hairy Vetch. Our stock of this is the true type, being imported by us direct from Russia and which will absolutely live throughout the winter. There is also an English strain on the market which is not hardy in the Northern sections of the United States, and buyers should beware when buying that they procure the right article, which is a small round black seed; this is far superior to Crimson Clover, as it never winter-kills. Sow from August 1st to October 1st, but the earlier the better, broadcast, 1 bushel per acre, to which we suggest adding a bushel of winter rye or wheat. In the spring it can be plowed in as green manure, or when in flower cut for hay. All stock relish it keenly. 12c. lb. Price for larger quantities on application.

Spring Vetch (*Vicia Sativa*). The seed of this is larger than the "Winter" and of a brownish gray color. It is not hardy and must, therefore, be sown in the spring during May or June, 1 to 2 bushels per acre if broadcast and 1 bushel if in drills, with either spring wheat, spring rye or oats for support. It possesses very much the same desirable features as the winter vetch. 10c. lb. Price for larger quantities on application.

SPRING WHEAT

A desirable crop to sow where fall-sown wheat has been killed by severe winter; the grain is very hard and of excellent milling quality. Macaroni is made from this variety. Our stock is grown in the extreme Northwest and is very fine.

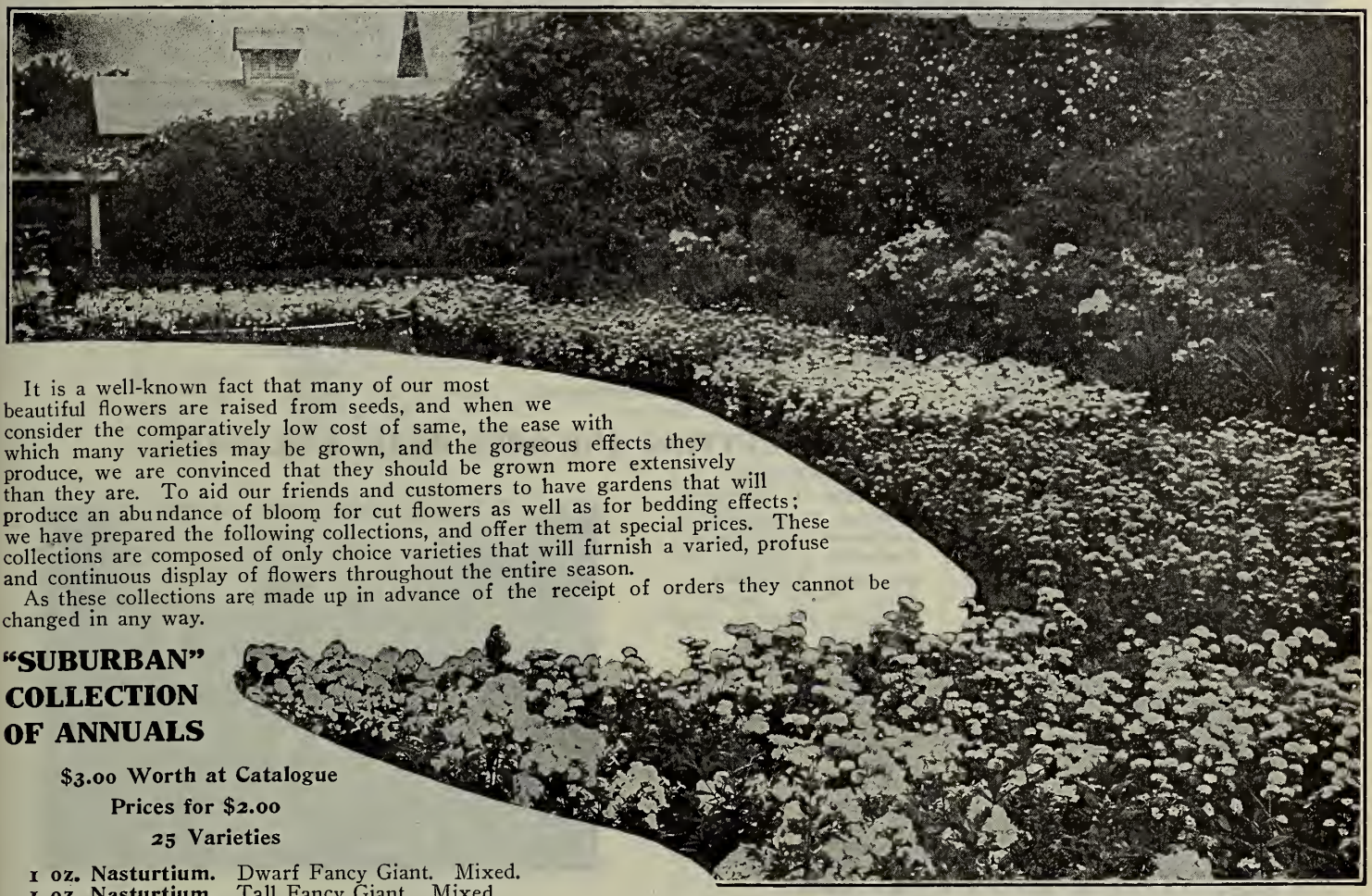
Saskatchewan Fife. This is the favorite sort in this locality and is used on account of its prolific, vigorous growth and early qualities. It often produces 50 bushels per acre. Sow in April or May 1½ to 2 bushels per acre, broadcast or in drills. 15c. qt. Price for larger quantity on application.

WINTER WHEAT

In season we carry a large stock of the best varieties as below. Ready about September 1st. **Miracle, Fultzo-Mediterranean, Fultz, Red Wave, Silver Sheaf, Long Berry** and **Lancaster Fulcaster.** Prices and samples on application after September 1st.

Spring Wheat is an excellent catch crop where the winter variety has failed.

MICHELL'S SPECIAL ASSORTMENTS OF FLOWER SEEDS



It is a well-known fact that many of our most beautiful flowers are raised from seeds, and when we consider the comparatively low cost of same, the ease with which many varieties may be grown, and the gorgeous effects they produce, we are convinced that they should be grown more extensively than they are. To aid our friends and customers to have gardens that will produce an abundance of bloom for cut flowers as well as for bedding effects; we have prepared the following collections, and offer them at special prices. These collections are composed of only choice varieties that will furnish a varied, profuse and continuous display of flowers throughout the entire season.

As these collections are made up in advance of the receipt of orders they cannot be changed in any way.

"SUBURBAN" COLLECTION OF ANNUALS

$3.00 Worth at Catalogue Prices for $2.00

25 Varieties

1 oz. Nasturtium. Dwarf Fancy Giant. Mixed.
1 oz. Nasturtium. Tall Fancy Giant. Mixed.
¼ lb. Sweet Peas. Spencer Varieties. Mixed.
1 oz. Mixed or Wild Flower Garden Seeds.

And one packet each of the following:

Ageratum. Blue Perfection.
Alyssum. Little Gem.
Aster. Invincible. Mixed.
Balsam. Camellia Flowered.
Calliopsis. Golden Wave.
Candytuft. Giant White.
Celosia. Thompsoni Magnifica.
Centaurea. Emperor William.
Cosmos. Giant Fancy Mixed.
Dianthus. Double Fringed Mixed.
Eschscholtzia. Golden West.
Larkspur. Giant Hyacinth Flowered. Mixed.
Marigold. Pride of the Garden.
Mignonette. Machet.
Pansy. Giant Trimardeau. Mixed.
Petunia. Choicest Mixed.
Phlox Drummondi. Grandiflora. Mixed.
Poppy. Michell's Shirley.
Portulaca. Double Mixed.
Sunflower. Cut-and-Come-Again.
Zinnia. Giant Robusta. Mixed.

"QUAKER CITY" COLLECTION OF ANNUALS

$1.50 Worth at Catalogue Prices for $1.00

1 oz. Nasturtium. Dwarf Fancy Giant. Mixed.
1 oz. Nasturtium. Tall Fancy Giant. Mixed.
1 oz. Sweet Peas. Magnificent. Mixed.

And one packet each of the following:

Ageratum. Blue Perfection.
Alyssum. Little Gem.
Aster. Improved Branching.
Centaurea. Emperor William.
Cosmos. Giant Mixed.
Larkspur. Tall Stock Flowered. Mixed.
Marigold. Large African.
Mignonette. Sweet Scented.
Petunia. Choice Mixed.
Phlox Drummondi. Grandiflora. Mixed.
Poppy. Carnation Flowered. Mixed.
Portulaca. Double Mixed.
Zinnia. Giant Robusta. Mixed.

For Imported Collections of Flower Seeds see page 75.

Effects like the above can be produced by sowing seeds contained in our Collections

"POPULAR" SEED POCKET OF ANNUALS

75c. Worth at Catalogue Prices for 50c.

One packet each of the following:

Alyssum. Sweet.
Aster. China, or German.
Cosmos. Giant Mixed.
Marigold. Dwarf French.
Mignonette. Sweet Scented.
Nasturtium. Dwarf Mixed.
Nasturtium. Tall Mixed.
Pansy. Very Fine Mixed.
Petunia. Fine Mixed.
Phlox Drummondi.
Poppy. Pæony Flowered.
Portulaca. Single Mixed.
Sweet Pea. Gilt Edge. Mixed.
Zinnia. Tall Double Mixed.
Mixed or **Wild Flower** Garden.

COLLECTION OF HARDY PERENNIALS

$1.60 Worth at Catalogue Prices for $1.25

One packet each of the following:

Aquilegia. Single Mixed.
Calliopsis. Lanceolata Grandiflora.
Campanula. Pyramidalis. Mixed.
Delphinium. Formosum.
Dianthus. Clove Scented.
Digitalis. Gloxiniæflora. Mixed.
Gaillardia. Grandiflora Superba.
Gypsophila. Paniculata.
Heuchera. Sanguinea.
Hollyhock. Chater's Double Mixed.
Lobelia. Cardinalis.
Phlox. Decussata. Mixed.
Poppy. Orientale.
Pyrethrum. Single, Mixed.
Scabiosa. Caucasica.
Stokesia. Cyanea.
Sweet William. Double, Mixed.
Mixture of Perennial Flowers.

Collections of Asters, Dianthus, Phlox, etc., will be found under their respective heads.

A Rock Garden planted in this fashion makes a dull spot bright

FLOWERS AND PLANTS FOR ROCK GARDENS

In the past few years Rock Gardens and Rockeries, although of ancient origin, have justly come in favor again. There are few gardens, where something of this sort might not be constructed and made highly attractive, especially in locations where stones are plentiful. They may be used for hiding unsightly objects, or for giving variety to an otherwise flat and monotonous garden. Below we give a selection of plants, especially suited for this purpose.

Varieties marked S. can be furnished in seeds only; marked P., plants only; marked S. P. either plants or seeds. See index of catalog for listing.

S. P. **Alyssum maritimum** (Sweet Alyssum)
S. P. **Alyssum saxatile compactum** (Gold Dust)
S. P. **Aquilegia in varieties** (Columbine)
S. P. **Arabis alpina** (Rock Cress)
S. **Asperula odorata** (Woodruff)
P. **Aubrietia** (Wall Cress)
S. P. **Candytuft sempervirens.**
S. P. **Campanula carpatica** (Hare Bell)
S. **Centaurea candidissima** (Dusty Miller)
S. P. **Cerastium tomentosum** (Snow in the Summer)
S. **Centaurea gymnocarpa**
P. **Euonymus radicans.**
P. **Ferns,** Hardy varieties.
S. P. **Gnaphalium** (Edelweiss)
S. **Gypsophila elegans.**
S. P. **Gypsophila paniculata** (Baby's Breath)
P. **Helianthemum** (Rock Rose)
S. **Mesembrianthemum** (Ice Plant)
S. P. **Myosotis** (Forget-me-not)
P. **Plumbago larpentae** (Leadwort)
P. **Phlox subulata** (Moss Pink)
S. **Portulaca.**
S. P. **Sedum** (Stone Crop)
S. **Silene** (Catchfly)
S. P. **Vinca** (Periwinkle)

FLOWERING PLANTS FOR CUTTING AND OPEN BORDER PLANTING

ANNUALS

S. P. **Antirrhinum** (Snapdragon)
S. **Arctotis** (African Daisy)
S. P. **Asters**
S. **Calliopsis**
S. **Centaurea** (Cornflower)
S. **Candytuft**
S. **Celosia plumosa** (Cockcomb)
S. P. **Cosmos**
S. **Chrysanthemum tricolor**
S. " **coronarium**
S. **Dimorphotheca**
S. **Gaillardia** (Blanket Flower)
S. **Gypsophila elegans**
S. **Gomphrena**
S. **Larkspur**
S. **Lupinus**
S. **Marigold**
S. P. **Mignonette**
S. **Nasturtium**
S. P. **Pinks**
S. **Salpiglossis**
S. **Scabiosa**
S. **Stocks**
S. **Sunflower**
S. **Sweet Peas**
S. **Sweet Sultan**
S. **Zinnia**

PERENNIALS

S. P. **Aquilegia** (Columbine)
S. P. **Achillea** (Sneezewort)
S. P. **Anthemis** (Marguerite)
S. P. **Anemone** (Windflower)
P. **Artemisia lactiflora**
S. P. **Aster, Hardy Perennial**
S. P. **Boltonia** (False Chamomile)
S. P. **Coreopsis**
S. P. **Carnation**
S. P. **Delphinium**
S. P. **Eupatorium**
S. P. **Gaillardia grandiflora**
S. P. **Gypsophila paniculata**
S. P. **Geum**
S. P. **Heliopsis**
S. P. **Heuchera** (Alum Root)
S. P. **Lily of the Valley**
S. P. **Lupinus**
S. P. **Phlox decussata**
S. P. **Paris Daisy**
S. P. **Pentstemon**
S. P. **Pinks**
S. P. **Rudbeckia**
S. P. **Shasta Daisy**
S. P. **Stokesia**
S. P. **Statice**
S. P. **Stevia**
P. **Thalictrum**

Borders on the edges of lawns planted in this fashion are an attraction from early Spring to Fall

A number of Plants, which are grown from Bulbs, produce splendid cut flowers, especially: **Gladiolus, Dahlias, Acidanthera, Callas and Tuberoses.**

Plantings against shaded backgrounds like this accomplish wonderful effects

FLOWERS AND PLANTS FOR PARTIALLY SHADED LOCATIONS

Very few plants will flower in places, from which sunshine is *entirely* excluded. They may grow well enough, developing leaves, but *plants* of nearly all kinds must have at least some sunshine. With the exception of Hardy Ferns, which will do very well even in dense shade, the varieties named below should have sunlight for at least 2 hours during the day, to produce best results.

S. P. **Aconitum** (Monks Hood)
S. P. **Anemone** (Windflower)
S. P. **Aquilegia** (Columbine)
S. P. **Auricula**
S. **Asperula** (Woodruff)
S. **Bartonea**
S. P. **Begonia, Tuberous-rooted** (Can be furnished in Bulbs also)
S. P. **Bellis** (Daisy)
S. P. **Campanula** (Canterbury Bells)
S. **Clarkia**
S. P. **Coreopsis lanceolata**
S. P. **Cowslip**
S. P. **Delphinium** (Larkspur)
S. P. **Digitalis** (Foxglove)
P. **Ferns** (Hardy)
S. P. **Fuchsia**
S. P. **Gentiana** (Gentian)
S. P. **Lily of the Valley**
S. P. **Lobelia Cardinalis** (Cardinal Flower)
S. **Linum** (Flax)
S. **Matricaria** (Feverfew)
S. **Mimulus** (Musk Plant)
S. P. **Myosotis** (Forget-me-not)
S. **Nemophila** (Love Grove)
S. **Oenothera** (Evening Primrose)
P. **Pachysandra**
S. P. **Pansies**
S. P. **Poppy** (Perennial varieties)
S. P. **Polyanthus**
S. **Schizanthus** (Butterfly-Flower)
P. **Trollius** (Globe Flower)
P. **Trillium** (Wood Lily)
S. **Torenia**
S. P. **Violets**
S. P. **Viola cornuta** (Tufted Pansies)

COMMON OR ENGLISH AND BOTANICAL NAMES OF POPULAR FLOWERS AND PLANTS

Abutilon—*Flowering Maple.*
Abyssinian Banana—*Musa Ensete.*
Achillea—*Milfoil, Sneezewort.*
Aconitum—*Helmet Flower, Monk's Hood, Wolf's Bane.*
Acroclinium—*Everlastings.*
Adams Needle—*Yucca.*
Adiantum—*Maiden Hair Fern.*
Adlumia—*Allegheny Vine, Mountain Fringe.*
Adonis aestivalis—*Pheasant's Eye.*
African Daisy—*Arctotis.*
African Lily—*Agapanthus.*
Agapanthus—*African Lily.*
Ageratum—*Floss Flower.*
Agrostemma—*Rose Campion.*
Allegheny Vine—*Adlumia.*
Aloysia citriodora—*Lemon Verbena.*
Althaea rosea—*Hollyhock.*
Althaea—*Rose of Sharon.*
Alum Root—*Heuchera.*
Alyssum saxatile—*Basket of Gold.*
Amaranthus caudatus—*Love Lies Bleeding.*
Amaranthus tricolor—*Joseph's Coat.*
Amaryllis formosissima—*Jacobaean Lily.*
Amethyst—*Browallia.*
Ampelopsis—*Virginia Creeper.*
Ampelopsis Veitchii—*Boston Ivy.*
Anchusa—*Sea Bugloss.*
Anemone—*Windflower.*
Anthericum—*St. Bruno's Lily.*
Antirrhinum—*Snapdragon.*
Aquilegia—*Columbine.*
Arabis—*Rock Cress.*
Arctotis—*African Daisy.*
Aristolochia—*Dutchman's Pipe.*
Armeria—*Sea Pink, Thrift.*
Artemesia absynthium—*Wormwood.*
Asclepias—*Butterfly Weed.*
Asparagus Fern—*Asparagus plumosus.*
Asperula—*Waldmeister, Woodruff.*
Baby's Breath—*Gypsophila.*
Baby Primrose—*Primula Forbesi.*
Bachelor's Button—*Centaurea, Gomphrena, Bellis.*
Balloon Vine—*Cardiospermum.*
Balsam—*Lady Slipper.*
Balsam Apple—*Momordica Balsamina.*
Baptisia—*False Indigo.*
Barberry—*Berberis.*
Basket of Gold—*Alyssum saxatile.*
Beard Tongue—*Pentstemon.*
Bee Balm—*Monarda.*
Bell Flower—*Campanula.*
Bellflower Lily—*Lilium canadense.*
Bellis—*Bachelor's Button, English Daisy.*
Berberis—*Barberry.*
Bergamot—*Monarda.*
Bignonia—*Trumpet Vine.*
Black Eyed Susan—*Thunbergia.*
Blanket Flower—*Gaillardia.*
Blazing Star—*Liatris.*
Bleeding Heart—*Dielytra.*
Blue Bottle—*Centaurea cyanus.*
Bluets—*Centaurea cyanus.*
Bocconia—*Plume Poppy.*
Boltonia—*False Chamomile.*
Boston Ivy—*Ampelopsis Veitchii.*
Boxwood—*Buxus.*
Brachycome—*Swan River Daisy.*
Bridal Wreath—*Spiraea prunifolia.*
Briza—*Quaking Grass.*
Browallia—*Amethyst.*
Buddleya—*Butterfly Bush.*
Bush Eschscholtzia—*Hunnemannia.*
Buttercup—*Trollius.*
Butterfly Bush—*Buddleya.*
Butterfly Flower—*Schizanthus.*
Butterfly Pea—*Centrosema.*
Butterfly Weed—*Asclepias.*
Buttonwood—*Platanus orientalis.*
Buxus—*Boxwood.*
Cacalia—*Tassel Flower.*
Caladium—*Elephant Ears.*
Calendula—*Pot Marigold.*
California Poppy—*Eschscholtzia.*
Callirhoe—*Poppy Mallow.*
Calycanthus—*Sweet Shrub.*
Campanula calyc.—*Cup and Saucer.*
Campanula carpatica—*Hare Bell.*
Campion—*Lychnis.*
Canarybird Flower—*Tropaeolum-Canariense.*
Candytuft—*Iberis.*
Canna—*Indian Shot.*
Canterbury Bells—*Campanula medium.*
Cape Jessamine—*Gardenia florida.*
Cardinal Flower—*Lobelia Cardinalis.*
Castor Oil Beans—*Ricinus.*
Catchfly—*Silene.*
Catalpa—*Umbrella Tree.*
Centaurea cyanus—*Bachelor's Button, Cornflower, Blue Bottle, Bluets, Ragged Sailor.*
Centaurea moschata—*Sweet Sultan.*
Centrosema—*Butterfly Pea.*
Celosia cristata—*Cockscomb.*
Cerastium—*Snow in the Summer.*
Cercis—*Judas Tree.*
Chinese Bell Flower—*Platycodon.*
Chinese Lantern Plant—*Physalis.*
Christmas Rose—*Helleborus Niger.*
Chrysanthemum frutescens—*Marguerite, Paris Daisy.*
Cigar Plant—*Cuphea platycentra.*
Clove Pinks—*Dianthus plumarius,*
Cockscomb—*Celosia cristata.*
Coix—*Job's Tears.*
Columbine—*Aquilegia.*
Cone Flower—*Rudbeckia.*
Convallaria—*Lily of the Valley.*
Convolvulus—*Morning Glory.*
Coral Lily—*Lilium tenuifolium.*
Cornflower Aster—*Stokesia.*
Cornflower—*Centaurea cyanus.*
Cornus florida—*Dogwood.*
Cowslip—*Primula veris.*
Crane's Bill—*Geranium.*
Crataegus—*Hawthorn.*
Cup and Saucer—*Campanula calyc.*
Cuphea platycentra—*Cigar plant.*
Cycas—*Sago Palm.*
Cyperus—*Umbrella Plant.*
Cypress Vine—*Ipomea Quamoclit.*
Cytisus—*Golden Chain.*
Daisy—*Bellis perennis.*
Datura cornucopia—*Horn of Plenty.*
Datura—*Trumpet Flower.*
Day Lily—*Funkia, Hemerocallis.*
Delphinium—*Larkspur.*
Dianthus barbatus—*Sweet William.*
Dianthus—*Pinks.*
Dianthus plumarius—*Clove Pinks.*
Dielytra— *Bleeding Heart.*
Dictamnus—*Gas Plant.*
Digitalis—*Foxglove.*
Dimorphotheca—*Orange Daisy.*
Dogwood—*Cornus florida.*
Dolichos—*Hyacinth Beans.*
Doronicum—*Leopard's Bane.*
Dusty Miller—*Centaurea gymnocarpa.*
Dusty Miller—*Cineraria Maritima.*
Dutchman's Pipe—*Aristolochia.*
Echinops—*Globe Thistle.*
Echinocystis—*Wild Cucumber.*
Edelweiss—*Gnaphalium.*
Egyptian Lotus—*Nelumbium.*
Elephant Ears—*Caladium.*
English Daisy—*Bellis.*
English Primrose—*Primula vulgaris.*
Erianthus—*Plume Grass.*
Eryngium—*Sea Holly.*
Eulalia—*Zebra Grass.*
Euphorbia—*Mexican Fire Plant.*
Evening Primrose—*Oenothera.*
Everlastings—*Acroclinium, Gomphrena, Helichrysum, Rhodanthe, Xeranthemum.*
Everlasting Pea—*Lathyrus latifolius.*
Exochorda grandiflora—*Pearl Bush.*
Fairy Lily—*Zephyranthes.*
False Chamomile—*Boltonia.*
False Dragon Head—*Physostegia.*
False Indigo—*Baptisia.*
Feather Grass—*Stipa.*
Feverfew—*Matricaria.*
Flax—*Linum.*
Fleur de lis—*Iris germanica.*
Floss Flower—*Ageratum.*
Flowering Maple—*Abutilon.*
Flowering Tobacco—*Nicotiana.*
Forget-me-not—*Myosotis.*
Forsythia—*Golden Bell.*
Fountain Grass—*Pennisetum.*
Four o'clocks—*Mirabilis.*
Foxglove—*Digitalis.*
Fuchsia—*Lady's Ear Drop.*
Funkia—*Day Lily.*
Gaillardia—*Blanket Flower.*
Gardener's Garters—*Phalaris.*
Garden Heliotrope—*Valeriana.*
Gardenia florida—*Cape Jessamine.*
Gay Featber—*Liatris.*
Gas Plant—*Dictamnus.*
Gentian—*Gentiana.*
Geranium—*Crane's Bill.*
Gilliflower—*Stocks.*
Globe Amaranth—*Gomphrena.*
Globe Flower—*Trollius.*
Globe Thistle—*Echinops.*
Gnaphalium—*Edelweiss.*
Gold Dust—*Alyssum saxatile.*
Golden Bell—*Forsythia.*
Golden Chain—*Cytisus.*
Golden Feather—*Pyrethrum aureum.*
Golden Rod—*Solidago.*
Gomphrena—*Everlastings, Globe Amaranth, Bachelor's Button.*
Grass Pinks—*Dianthus plumarius.*
Gynerium—*Pampas Grass.*
Gypsophila—*Baby's Breath.*
Hare Bell—*Campanula carpatica.*
Hawthorn—*Crataegus.*
Heart's Ease—*Pansy.*
Helenium—*Sneezewort.*
Helianthemum—*Rock Rose.*
Helianthus—*Sunflower.*
Helichrysum—*Everlasting, Strawflower.*
Helleborus niger—*Christmas Rose.*
Helmet Flower—*Aconitum.*
Hemerocallis—*Day Lily.*
Hesperis—*Sweet Rocket, Rocket.*
Heuchera—*Alum Root.*
Hollyhocks—*Althaea rosea.*
Honesty—*Lunaria.*
Hops—*Humulus.*
Hordeum—*Squirrel Tail Grass.*
Horn of Plenty—*Datura cornucopia.*
Hunnemannia—*Bush Eschscholtzia.*
Hyacinth Beans—*Dolichos.*
Ice Plant—*Mesembryanthemum.*
Indian Shot—*Canna.*
Ipomea noctiflora—*Moonflower.*
Ipomea Quamoclit—*Cypress Vine.*
Jacobæan Lily—*Amaryllis formos.*
Jacobaea—*Senecio.*
Japan Pinks—*Dianthus Heddewigii.*
Jerusalem Cherry—*Solanum capsicastrum.*
Job's Tears—*Coix.*
Judas Tree—*Cercis.*
Joseph's Coat—*Amaranthus tricolor.*
Kalmia latifolia—*Mountain Laurel.*
Kenilworth Ivy—*Linaria cymbalaria.*
Kochia—*Mexican Fire Bush, Summer Cypress.*
Kudzu Vine—*Pueraria.*
Lady's Ear Drop—*Fuchsia.*
Lady's Slipper—*Balsam.*
Larkspur—*Delphinium.*
Lathyrus latifolius—*Everlasting Pea.*
Leadwort—*Plumbago.*
Lemon Verbena—*Aloysia citriodora.*
Leopard's Bane—*Doronicum.*
Liatris—*Gay Feather.*
Lilac—*Syringa.*
Lily of the Valley—*Convallaria.*
Lobelia cardinalis—*Cardinal Flower.*
Loose Strife—*Lythrum.*
Love Grove—*Nemophila.*
Love in a Mist—*Nigella.*
Love Lies Bleeding—*Amaranthus caudatus.*
Linaria cymbalaria—*Kenilworth Ivy.*
Luffa—*Cucumis acutangulus.*
Lunaria—*Honesty, Moonwort.*
Lychnis—*Campion.*
Lychnis—*Ragged Robin, Rose Campion.*
Lythrum—*Loose Strife.*
Maiden Hair Fern—*Adiantum.*
Mallow—*Hibiscus.*
Marguerite—*Chrysanthemum frutescens.*
Marigold—*Tagetes.*
Marshmallow—*Hibiscus.*
Marvel of Peru—*Mirabilis.*
Mathiola—*Night Scented Stock.*
Matricaria—*Feverfew.*
Meadow Rue—*Thalictrum.*
Mesembryanthemum—*Ice Plant.*
Mexican Fire Bush—*Kochia.*
Mexican Fire Plant—*Euphorbia.*
Michaelmas Daisy—*Aster perennis.*
Mignonette—*Reseda.*
Mimosa—*Sensitive Plant.*
Mimulus moschatus—*Musk Plant.*
Mirabilis—*Four o'clocks, Marvel of Peru.*
Mock Orange—*Philadelphus.*
Momordica Balsamina—*Balsam Apple.*
Monarda—*Bee Balm, Bergamot.*
Monk's Hood—*Aconitum.*
Moonflower—*Ipomea noctiflora.*
Moonwort—*Lunaria.*
Morning Glory—*Convolvulus.*
Moss Pink—*Phlox subulata.*
Mountain Fringe—*Adlumia.*
Mountain Laurel—*Kalmia latifolia.*
Mourning Bride—*Scabiosa.*
Musa ensete—*Abyssinian Banana.*
Musk Plant—*Mimulus moschatus.*
Myosotis—*Forget-me-not.*
Myrtle—*Vinca minor.*
Nelumbium—*Egyptian Lotus.*
Nemophila—*Love Grove.*
Nicotiana—*Flowering Tobacco.*
Nigella—*Love in a Mist.*
Night Scented Stock—*Mathiola.*
Oenothera—*Evening Primrose.*
Orange Daisy—*Dimorphotheca.*
Ox-Eye—*Adonis vernalis.*
Painted Tongue—*Salpiglossis.*
Pampas Grass—*Gynerium.*
Pancratium Lily—*Ismene calathina.*
Paris Daisy—*Chrysanthemum frutescens.*
Passiflora—*Passion Flower.*
Passion Flower—*Passiflora.*
Peach Bells—*Campanula persicifolia.*
Pearl Bush—*Exochorda grandiflora.*
Periwinkle—*Vinca.*
Phalaris—*Gardener's Garters.*
Phalaris—*Ribbon Grass.*
Pheasant's Eye—*Adonis aestivalis.*
Philadelphus—*Mock Orange.*
Phlox drummondii—*Flame Flower.*
Phlox subulata—*Moss Pink.*
Pincushion Flower—*Scabiosa.*
Pinks—*Dianthus.*
Platanus orientalis—*Buttonwood.*
Platycodon—*Chinese Bell Flower.*
Plumbago—*Leadwort.*
Plume Grass—*Erianthus.*
Plume Poppy—*Bocconia.*
Polyanthus—*Primula elatior.*
Poppy Mallow—*Callirhoe.*
Poppy—*Papaver.*
Pot Marigold—*Calendula.*
Pueraria—*Kudzu Vine.*
Pyrethrum aureum—*Golden Feather.*
Quaking Grass—*Briza.*
Rag Gourd—*Cucumis acutangulus.*
Ragged Robin—*Lychnis.*
Ragged Sailor—*Centaurea cyanus.*
Red Bud—*Cercis canadensis.*
Red Hot Poker Plant—*Tritoma.*
Reed—*Arundo donax.*
Reseda—*Mignonette.*
Rhodanthe—*Everlastings.*
Ribbon Grass—*Phalaris.*
Rock Cress—*Arabis.*
Rocket—*Hesperis.*
Rock Rose—*Helianthemum.*
Rose Campion—*Agrostemma.*
Rose Campion—*Lychnis.*
Rose of Sharon—*Althaea.*
Rudbeckia—*Cone Flower.*
Sago Palm—*Cycas.*
Salpiglossis—*Painted Tongue.*
Salvia splendens—*Scarlet Sage.*
Saponaria—*Soapwort.*
Satin Flower—*Godetia.*
Scabiosa—*Mourning Bride.*
Scabiosa—*Pincushion Flower.*
Scarlet Sage—*Salvia splendens.*
Schizanthus—*Butterfly Flower.*
Sea Bugloss—*Anchusa.*
Sea Lavender—*Statice.*
Sea Holly—*Eryngium.*
Sea Pink—*Armeria.*
Sedum—*Stonecrop.*
Senecio—*Jacobaea.*
Sensitive Plant—*Mimosa.*
Silene—*Catchfly.*
Silk Oak—*Grevillea.*
Snapdragon—*Antirrhinum.*
Sneezewort—*Helenium.*
" —*Achillea.*
Snowball—*Viburnum.*
Snowberry—*Symphoricarpus.*
Snow in the Summer—*Cerastium.*
Snow on the Mountain—*Euphorbia*
Soapwort—*Saponaria.*
Solanum capsicastrum— *Jerusalem Cherry.*
Solidago—*Golden Rod.*
Speedwell—*Veronica.*
Spider Plant—*Cleome.*
Squirrel Tail Grass—*Hordeum.*
Star of Bethlehem—*Ornithogalum.*
Statice—*Sea Lavender.*
St. Bruno's Lily—*Anthericum.*
St. John's Wort—*Hypericum.*
Stonecrop—*Sedum.*
Stipa—*Feather Grass.*
Stocks—*Gilliflower.*
Stokesia—*Cornflower Aster.*
Strawflower—*Helichrysum.*
Summer Cypress—*Kochia.*
Sunflower—*Helianthus.*
Symphoricarpus—*Snowberry.*
Syringa—*Lilac.*
Swan River Daisy—*Brachycome.*
Sweet Pepper Bush—*Chlethra.*
Sweet Rocket—*Hesperis.*
Sweet Shrub—*Calycanthus.*
Sweet Sultan—*Centaurea moschata.*
Sweet William—*Dianthus barbatus.*
Tagetes—*Marigold.*
Tassel Flower—*Cacalia.*
Thrift—*Armerica.*
Thunbergia—*Black Eyed Susan.*
Tobacco—*Nicotiana.*
Transvaal Daisy—*Gerbera.*
Trillium—*Wake Robin, Wood Lily.*
Tritoma—*Red Hot Poker.*
Trollius—*Buttercup.*
Trumpet Flower—*Datura.*
Trumpet Vine—*Bignonia.*
Tufted Pansies—*Viola cornuta.*
Turk's Cap Lily—*Lilium superbum.*
Valeriana—*Garden Heliotrope.*
Viburnum—*Snowball.*
Vinca minor—*Myrtle.*
Vinca—*Periwinkle.*
Viola cornuta—*Tufted Pansies.*
Virgin's Bower—*Clematis.*
Virginia Creeper—*Ampelopsis quinquefolia.*
Umbrella Plant—*Cyperus.*
Umbrella Tree—*Catalpa.*
Waldmeister—*Asperula.*
Wallflower—*Cheiranthus.*
Wake Robin—*Trillium.*
Wild Cucumber—*Echinocystis.*
Windflower—*Anemone.*
Wolf's Bane—*Aconitum.*
Wood Lily—*Trillium.*
Wood Fern—*Aspidium.*
Woodruff—*Asperula.*
Wormwood—*Artemisia absynthium.*
Xeranthemum—*Everlastings.*
Yarrow—*Achillea.*
Youth and Old Age—*Zinnia.*
Yucca—*Adam's Needle.*
Zebra Grass—*Eulalia.*
Zephyranthes—*Fairy Lily.*

Novelties and Specialties in Flower Seeds for 1915

FOR GENERAL LIST OF FLOWER SEEDS, SEE PAGES 73 TO 110

Michell's Giant Antirrhinum

DWARF SWEET ALYSSUM

"LILAC QUEEN"

A distinct new variety of the annual Sweet Alyssum, with **pure lilac flowers.** The plants are of the same dwarf compact growth as the dwarf white flowering varieties. Per pkt., 15c.; 25c. per 2 pkts.

DWARF YELLOW ALYSSUM

(Compactum Lutescens)

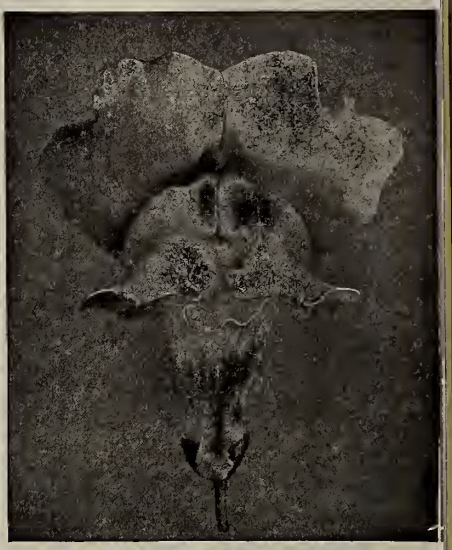
Similar in growth and habit to the Lilac Queen described above, but with yellow flowers. Per pkt., 20c.; 55c. per 3 pkts.

NEW GIANT SNAPDRAGON

(Antirrhinum)

"VENUS"

A new color in the Giant Flowering Snapdragons, and just the color in demand; a **lovely shell pink** on **white ground,** set off by a **pure white throat.** The long stalks are thickly studded with large flowers of the finest form. This splendid new sort will undoubtedly become one of the most valued. Per pkt., 20c.; 40c. per large pkt.



Antirrhinum Venus

SPECIAL OFFER.—One packet each, of the **five Novelties** and **Specialties** described on this page, for 85c.

NEW GIANT SNAPDRAGON

(Antirrhinum)

MICHELL'S SALMON PINK

For effective grouping in the garden or for cutting, nothing surpasses the Giant Snapdragons, and we are pleased to be able to offer our customers seed of this new variety, which will be found a valuable addition to this class of flowers. **The large flowers are produced on long spikes** and are of a **delicate salmon** pink color. Per pkt., 15c.; 40c. per large pkt.

NEW ASTER—MICHELL'S "PINK SUPERB"

We are pleased to be able to again offer to our customers this new and valuable variety of Aster, which is really "Superb" in every sense of the word. The flowers are of immense size, petals long and broad, those in the centre lie curled and incurved to such an extent that the crown is completely covered; the general appearance of the flower being that of an immense flat Chrysanthemum; color, a beautiful light, or shell pink. One of the admirable features of this new variety is the exceedingly long stems, which usually measure 34 to 36 inches in length, making it a valuable sort for cutting. Per pkt., 25c.; 65c. per large pkt.; per ¼ oz., $2.00; $7.50 per oz.

Michell's Pink Superb Aster

New Astermum

NEW ASTERMUM

A GLORIFIED ASTER—A SPLENDID NEW TYPE

A new Aster originating in the State of Illinois. A mid-season variety. The plant grows straight up with strong sturdy stems, starting near the base and reaching from 18 to 24 inches, and owing to the symmetry of the plant, they may be set more closely than other varieties. Each plant yields from **10 to 15 blooms,** large and double, which last a long while after being cut.

	¼ Oz.	Lge. Pkt.	Pkt.
White	$1.25	$0.65	$0.15
Pink	1.25	.65	.15
Lavender	1.25	.65	.15
Mixed	1.25	.65	.15

One pkt. each of the above 3 colors for 40c.

NEW CREGO ASTER

The twisted and curled petals give the flower the appearance of a huge flat chrysanthemum. The flowers are very large, often measuring 5 inches in diameter. The strong erect stems average 20 to 24 inches in length. Though the flowers are large they are produced in abundance.

	Oz.	Large Pkt.	Pkt.
199 **White**	$2.50	$0.50	$0.15
198 **Shell Pink**	2.50	.50	.15
202 **Rose Pink**	2.50	.50	.15
200 **Lavender**	2.50	.50	.15
201 **Purple**	2.50	.50	.15
203 **Mixed**	2.50	.50	.15

One pkt. each of the above 5 colors for 65c.

LADY ROOSEVELT ASTER

251 The flowers resemble huge incurved Chrysanthemums; the color is a gorgeous pink, of marvelous beauty. The robust plants produce stout stems invariably 40 inches long, crowned with gigantic flowers. The seed we offer is selected from original specimens and then recleaned; so it must give absolute satisfaction. Per pkt., 25c.; 65c. per large pkt.

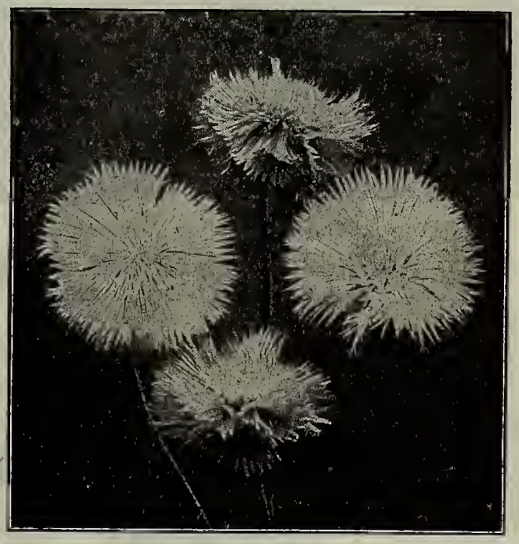
PEERLESS PINK ASTER

266 One of the finest of the late branching types, but comes into bloom a little earlier. The plants are of robust habit, and produce on **long stems large** and **perfectly double flowers** of a **beautiful shell pink,** very similar in shade to the Mary Semple variety. Per pkt., 15c.; 65c. per large pkt.

THE CARDINAL CLIMBER

(Ipomoea Quamoclit Hybrida)

A distinct and valuable novelty; the result of a cross between Ipomœa Quamoclit (or Cypress Vine) and Ipomœa Coccinea. A **very rapid grower** and **free bloomer;** the vines branch freely, covering a large space very quickly and growing to a height of 20 to 30 feet. Leaves dark green and deeply laciniated; bears a great profusion of **fiery, cardinal red** flowers, which are about 1½ inches in diameter. Per pkt., 20c.; 55c. per 3 pkts.



Giant Flowered Centaurea

NEW GIANT FLOWERED CENTAUREAS

Magnificent flowers produced on long, stout stems; excellent for cutting, and lasting a long while after being cut.

The Bride. Pure white. Per pkt., 15c.; 40c. per large pkt.

The Bridegroom. Purplish mauve. Per pkt., 15c.; 40c. per large pkt.

Honeymoon. Golden yellow. Per pkt., 15c.; 40c. per large pkt.

RAINBOW CORN

The stalks grow about 5 feet tall, with many variegated leaves, with broad stripes of crimson, yellow, white, green, rose and bronze; excellent for decorating purposes; as easily grown as field corn. Per pkt., 10c.; 30c. per oz.

CYCLAMEN "MRS. BUCKSTON"

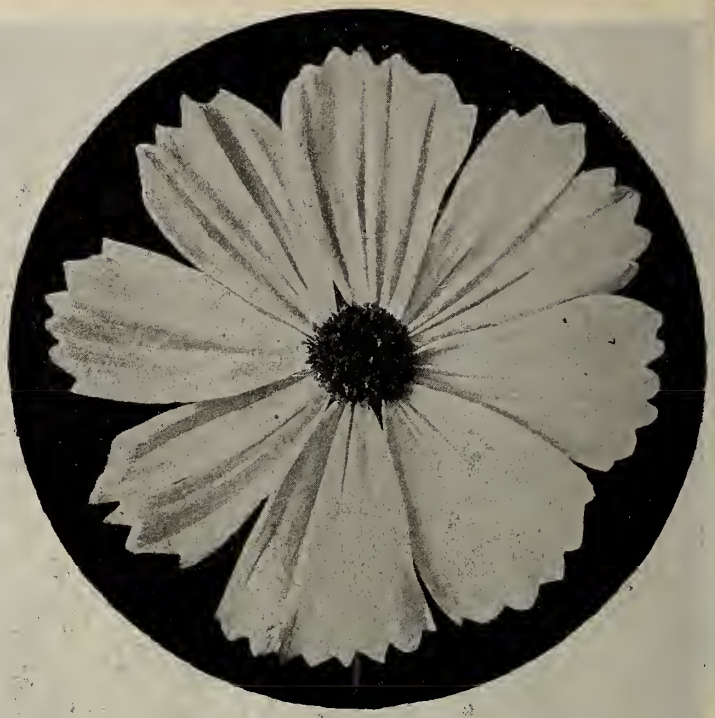
A new variety with beautifully frilled and waved flowers, which are of large size, often measuring 2½ to 3 inches across, and are produced in great abundance; color, delicate salmon. Per original pkt., 75c.

See page 84 for Our "Distinctive" Giant Strain of Cyclamen.

Celosia—Pride of Castle Gould

CELOSIA—OSTRICH PLUME
Pride of Castle Gould

This variety excels all other varieties of this class; plants grow compact and pyramidal, about 2 to 3 feet high, producing immense flower heads, that closely resemble ostrich plumes. Colors are blood red, carmine, yellow, orange, golden, orange scarlet, etc., in **mixture.** Per pkt., 15c., 40c. per large pkt.



White Lady Cosmos

NEW GIANT COSMOS, White Lady

This new variety is a selection from the well-known and popular variety, Lady Lenox. The long-stemmed **pure white flowers** are of **immense size,** often measuring 5 inches across; petals broad and overlap each other forming a beautiful circular flower, of good substance and lasting qualities. Per pkt. 15c.; 40c. per large pkt.

Special Offer:— One packet each, **Celosia, Cosmos, Dimorphotheca** and **Lobelia** described on this page, for **65c.**

Dimorphotheca aurantiaca hybrida fl. pl.

NEW DOUBLE AFRICAN DAISY

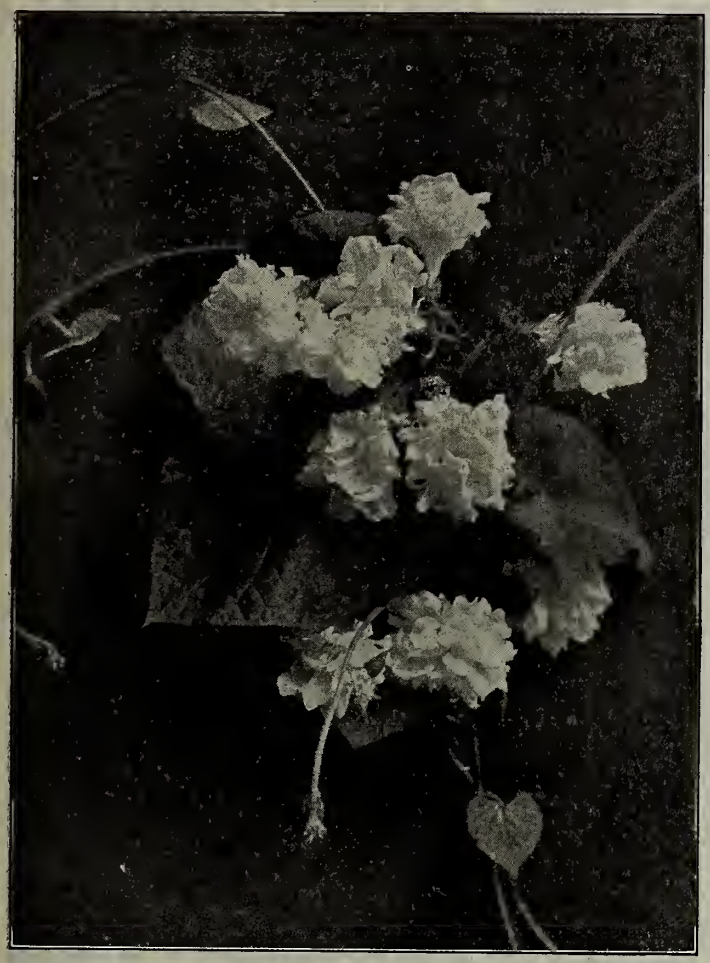
(Dimorphotheca Aurantiaca Hybrid fl. pl.)

A new addition to this popular flower recently introduced; produces an abundance of **double** and **semi-double flowers** in many **rich** and **varied shades,** ranging from **white** to **light** and **dark yellow,** and from **salmon rose** to **orange.** Per pkt. 25c.; 65c. per 3 pkts.

LOBELIA HYBRIDA "Sapphire"

Great attention has been given of late years to the floral decoration of balconies and window fronts, and in addition to Petunias, Ivy-leaved Geraniums, etc., used for this purpose, trailing Lobelias are also coming into demand. This new variety is of remarkably **strong growth;** the flowers are unusually large for a Lobelia, measuring **three-quarter inch across,** and are thickly set on the long graceful sprays of foliage; color of flowers, **intense deep blue** with **large, clearly defined white eye.** A well-grown plant covered with these lovely blue oculate flowers makes a splendid sight. Per pkt., 20c.; 55c. per 3 pkts.

Lobelia—Sapphire



Double Morning Glory—Snow Fairy

NEW DOUBLE MORNING GLORY
"SNOW FAIRY"

A new and most beautiful variety of vigorous and rapid growth, beginning to bloom early and continuing until frost. Produces an abundance of **double, snow-white, tassel-like flowers** two to two and a half inches across by two and a half inches in depth. Per pkt., 15c.; 25c. per 2 pkts.

NEW LARGE FLOWERING PETUNIA MICHELL'S MONSTROSUS

A great acquisition to the list of Large Flowering Petunias, **surpassing the well-known Giants of California.** The **flowers, are extremely large,** quite a number of which are elegantly fringed; the colorings, markings, veinings, blotches, etc., are superb; many of them having deep throats of various shades. Per pkt., 25c.; 75c. per large pkt.

Special Offer.—One pkt. each of the **five Novelties** and **Specialties,** described on this page, for $1.00.

PENTSTEMON
LARGE FLOWERING WHITE
(Pentstemon Hartwegi Albus)

The plants of this fine new variety attain a height of about 2½ feet; they branch freely from the base, develop a brilliant green foliage and throw up numerous flower-spikes, all thickly studded with **large open-throated gloxinia-like blooms, one to one and one-half inches across;** the buds at first are of a **creamy color,** but **change** to a **clear white when opening.** It blooms early and continues to bloom for a long time. Per pkt., 25c.; 65c. per 3 pkts.

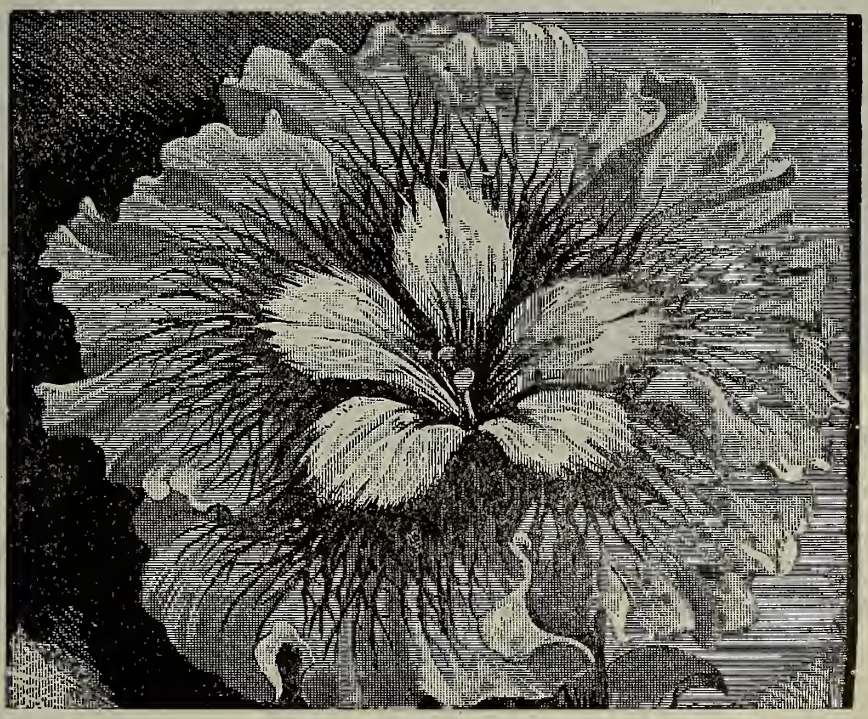
PETUNIA
KELWAY'S MODEL GRANDIFLORA

A beautiful variety of the **large flowering, fringed single** petunia; bears a great abundance of flowers handsomely **blotched** and **striped.** Per pkt., 25c.; 65c. per 3 pkts.

Pentstemon Hartwegi Albus

NEW BLUE PETUNIA "UNDINE"

A new **light blue Petunia** of incomparable **beauty** and **luxuriance,** and therefore very valuable as a pot plant, as well as for garden beds; also valuable for window boxes, etc. The surpassing charm of this variety lies in the particular **azure color** which merges into the **lilac margin.** Per pkt., 25c.; 65c. per 3 pkts.

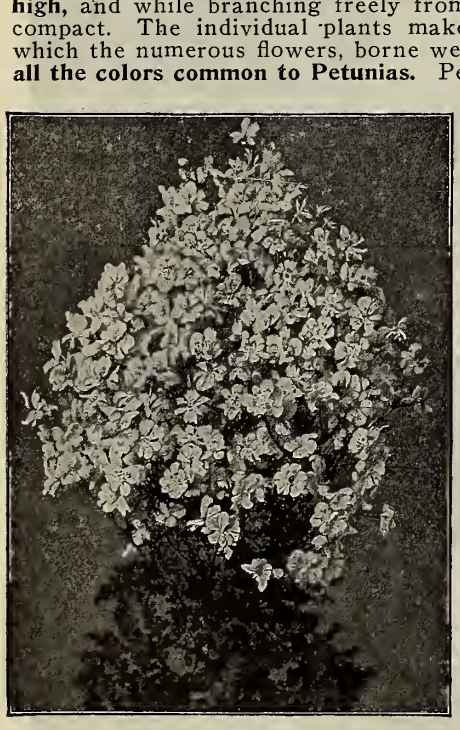


Petunia—Michell's Monstrosus

Petunia—Dwarf Large Flowering Fringed

DWARF LARGE FLOWERING FRINGED PETUNIA

The demand for really good dwarf, compact-growing Petunias has been met after years of careful selection in this excellent dwarf strain, with **large fringed flowers.** The plants grow only **8 inches high,** and while branching freely from the base, they remain quite compact. The individual plants make handsome small bushes, on which the numerous flowers, borne well above the foliage, appear in **all the colors common to Petunias.** Per pkt., 30c.; 80c. per 3 pkts.



Schizanthus, Bridal Veil

NEW PETUNIA "INFLATA"

A small, but very profuse flowering, well-shaped, trailing Petunia, producing branches 2½ to 3 feet in length, thickly set with **fragrant flowers,** 1 inch across, of a **lovely purplish carmine** color with **reddish violet throat.** Especially valuable for balconies, windows or hanging baskets. Per pkt., 20c.; 55c. per 3 pkts.

PRIMULA "MALACOIDES ROSEA"

A new color added to this popular variety of Primula; the flowers vary in color from light rose to bright carmine rose. Per pkt., 20c.; 55c. per 3 pkts.

SCHIZANTHUS, BRIDAL VEIL (Wisetonensis Albus)

A new variety selected from the hybrids of Schizanthus Wisetonensis. Plants grow about 16 inches high, are compactly formed and **literally covered with glistening, snowy white blossoms,** which present a striking contrast with the bright fresh green of the **finely laciniated foliage.** Excellent as a pot plant. Per pkt., 30c.; 80c. per 3 pkts.

SCHIZANTHUS, GRANDIFLORUS MAXIMUS

Plants grow about 20 inches high, and produce an abundance of flowers of good substance, measuring from 1 to 1½ inches across, and **show an endless variety of color.** The foliage is bright green, fern-like, and very handsome. Per pkt., 20c.; 55c. per 3 pkts.

PRIMULA OBCONICA GRANDIFLORA "CRISPA"

An entirely new form of this splendid plant, the edges of each flower being fringed and creased; fully developed flower clusters have, therefore, a more double appearance, and an elegance which cannot readily be duplicated; the flowers are of extra large size; color, from **delicate apple blossom pink to deep pink.** Per pkt., 20c.; 65c. per large pkt.

PRIMULA "MALACOIDES"

This new and pretty variety introduced from China has proved to be one of the freest-flowering species for pots and is, in consequence, already widely cultivated. The seedlings **bloom in four to five months after sowing;** resembles Primula Forbesi, but its growth is much more sturdy, and the flowers, which are borne in whorls on long stems, are much larger; color, a **pretty light lilac.** Per pkt., 25c.; 65c. per large pkt.

Primula Malacoides Alba

PRIMULA "MALACOIDES ALBA"

This new variety produces **pure white flowers;** it is equally as handsome as the lilac type form described above, and will, no doubt, soon achieve a similar share of popular favor. Per pkt., 25c.; 65c per 3 pkts.

NEW ANNUAL RED SUNFLOWER

(Helianthus Cucumerifolius Purpureus)

The bushes which branch freely are **literally covered** with flowers measuring 2½ to 3 inches in diameter in a series of shades from **pink** to **purple,** often forming a circle on yellow ground around the dark disk; even the form of the petals vary, some are straight, others twisted and curled. Per pkt., 20c.; 55c. per 3 pkts.

NEW SPENCER OR ORCHID FLOWERED SWEET PEAS

"Spencer" Sweet Peas are distinguished by their most exquisite form of flower, waved petals, their wonderful vigor in plant, stem and flower, and their ability to produce, as a rule, four gigantic blooms to the stem.

FOR GENERAL LIST AND SPECIAL MIXTURE, SEE PAGE 105

King White A "perfect" white Spencer Sweet Pea, and much superior in form, size and substance to all others of this color. Whereas the petals of other white Spencers are thin and the standards generally inclined to reflex, King White has substance to spare, while the **standards** are of **immense size, bold expanded form,** yet **exquisitely waved.** It is an extremely vigorous grower, **very floriferous** and gives a large proportion of **four-flowered sprays.** It received an Award of Merit from the National Sweet Pea Society of England, July, 1912. It was also awarded a Certificate of Merit by the Pennsylvania Horticultural Society at the Sweet Pea Show in Philadelphia, June 26th, 1913, and also by The Royal Horticultural Society of England, July, 1913.

Per pkt., 15c.; 25c. per 2 pkts.; per oz., $1.25.

Illuminator The most charming color, or rather combination of colors, yet seen in Sweet Peas, and very difficult to describe. The name conveys in part one of the charms of this beautiful variety, as the warm **salmon-orange** ground color of the flower scintillates through the **rich, bright cerise-pink** and illuminates the flower delightfully. Illuminator is of strong, vigorous growth and **blooms most profusely.** The flowers, well placed upon long, stout stems, are uniformly of great substance, the standard being bold, expanded and **attractively waved.** Awarded Certificate of Merit by the Pennsylvania Horticultural Society, Philadelphia, June 26th, 1913.

Original pkts. (25 seeds), 15c.; 25c. per 2 pkts.

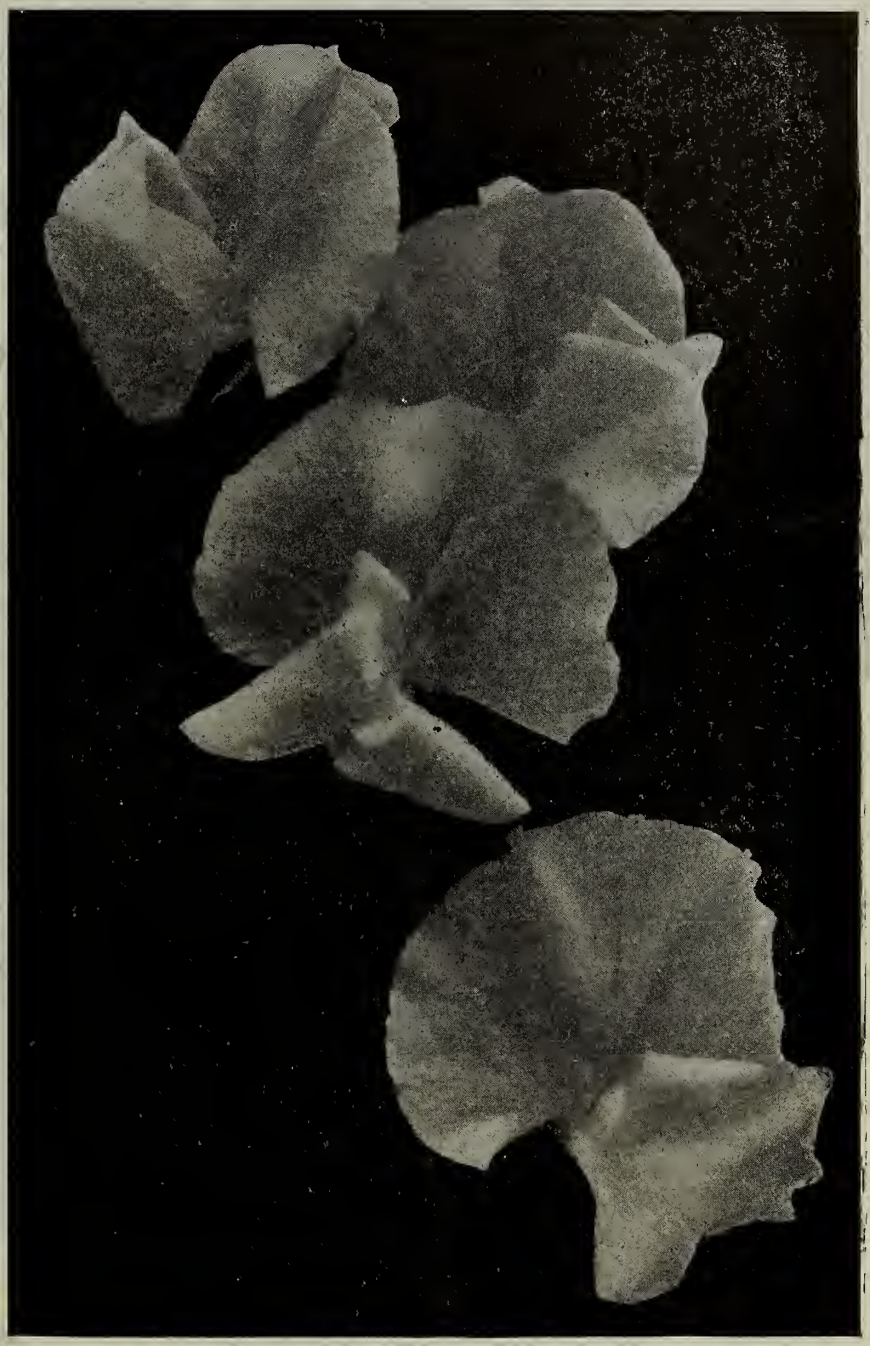
Margaret Atlee One of the largest and finest Sweet Peas yet introduced. The **flowers** are of **immense size, often measuring two and one-half inches across** the standard, **exquisitely waved** and freely produced in "fours" on long, stout stems; color, a **rich glowing pink** on **cream ground,** softly suffused with salmon in the standard, while the **wings** are a pleasing shade of **pinkish rose** and **salmon.** Awarded First Prize American Sweet Pea Society at Philadelphia in 1912. Silver Medal, National Sweet Pea Society of Great Britain, London, July, 1914.

Original pkts. (20 seeds), 15c.; 25c. per 2 pkts.
Original pkts. (40 seeds), 25c.; 65c. per 3 pkts.

Wedgwood This new variety is appropriately named, as its color throughout is a **unique shade of Wedgwood blue,** —a color so popular in China and destined now to become almost equally famous in this distinct new Sweet Pea. Wedgwood produces profusely flowers of good size, borne almost uniformly in **four-flowered sprays,** well placed upon long stout stems. Of finest Spencer form, the **standard and wings are well waved.** Awarded Certificate of Merit by the Pennsylvania Horticultural Society at the Sweet Pea Show, Philadelphia, June 26th, 1913.

Original pkts. (20 seeds), 15c.; 25c. per 2 pkts.
Original pkts. (40 seeds), 25c.; 65c. per 3 pkts.

SPECIAL OFFER.—One packet each of the 5 varieties of New Spencer Sweet Peas offered on this page for 65c.



An Average Spray of King White—Reproduced from a Photograph

Charm As the name implies, this novelty is indeed a "charming" variety of delicate and exquisite color. It was awarded a Certificate of Merit by the American Sweet Pea Society in 1911; the flowers are of fair size and most of the strong, stiff stems bear **four flowers each.** Of the finest Spencer type, they are throughout a **glistening,** pure **snow-white, suffused** equally through standard and wings with **delicate flesh** or **blush pink.** It comes very true and is a most beautiful variety for bunching.

Per pkt., 15c.; 70c. per oz.; per ¼ lb., $2.50.

Verbena Hybrida Compacta—Dornroschen

NEW DWARF VERBENA "Dornroschen"

A new variety of **dwarf compact growth,** especially valuable for planting for low groups or for borders. Bears a great profusion of **large flowers;** color, **white with soft carmine rose edge,** giving to the plant a particularly nice aspect. Per pkt., 20c.; 55c. per 3 pkts.

NEW GIANT FLOWERED VERBENAS

IN DISTINCTLY NEW COLORS

This new variety is not only distinguished by its **giant blooms,** made attractive through a **light-colored centre** and an exquisite **edge** of **silvery white,** but an entirely **new range of colors,** such as Tyrian Rose, Purple, Garnet, Turkey Red, Geranium Red, Rosy Scarlet, etc. Each flower has a large white eye.

Mixed Colors. Per pkt., 15c.; 65c. per large pkt.

VIOLA CORNUTA—"G. Wermig"

A new variety introduced from England, which flowers continuously all summer, and on account of its many good qualities it is one of the most popular both in England and Germany. Unfortunately this variety heretofore produced but very little seed, but through the breeder seeds have now been produced more plentiful; while the flowers have the form of the Viola Cornuta they have the **identical color of the Violet, "Princess of Wales";** are borne on long stems in great profusion and can be used as a substitute for Violets. Pkt., 20c.; 55c. per 3 pkts.

NEW GIANT ROBUSTA ZINNIAS

This new form is a wonderful advance in size and shape and gives the plant a most majestic appearance. The plants grow extremely robust to a height of 2½ feet, have stout straight stems dressed with large broad foliage and crowned with **gigantic perfectly double flowers often measuring 5 to 6 inches across;** a revelation to all who are accustomed to the common Zinnia. Splendid for cutting or garden effect.

	Oz.	Large pkt.	Pkt.
Scarlet	$2.00	$0.50	$0.15
White	2.00	.50	.15
Golden Yellow	2.00	.50	.15
Crimson	2.00	.50	.15
Flesh Color	2.00	.50	.15
Purple	2.00	.50	.15
Sulphur Yellow	2.00	.50	.15
Violet	2.00	.50	.15
Mixed	.90	.25	.10

Special Offer: One pkt. each of the above 8 separate colors for $1.00.

NEW GIANT ZINNIA "Isabella"

This is of the same habit and large size as the Giant Zinnias described above; color, **delicate buff, shaded yellow.** Per pkt. 15c.; 50c. per large pkt.

Verbena—Helen Willmott

VERBENA—"Helen Willmott"

After many years of constant selection, seed of this Verbena has at last been saved in sufficient quantity to be offered for sale. A large percentage of the flowers are of the true "Helen Wilmott" color, a **pretty bright salmon rose, with white eye.**

Per pkt. 25c.; 65c. per 3 pkts.

Special Offer: One packet each **Verbena Dornroschen, Helen Willmott,** and **Giant Flowering Mixed, Viola G. Wermig, Zinnia Isabella** and **Robusta Mixed** for **90c.**

MICHELL'S "DISTINCTIVE" FRESH TESTED FLOWER SEEDS

Our flowerseeds have a reputation for their *superior quality* and for the *excellent results* obtained by sowing them. It is our constant endeavor to supply only such *varieties and strains* that will give the best of satisfaction.

Throughout the following pages of Flower Seeds the different varieties are designated as Annuals, Biennials, Perennials, etc., and for the benefit of those who are not familiar with these terms, we wish to make the following brief explanation:

Annuals. These grow and bloom, mature their seed and then die in the same year, such as Asters, Balsams, Poppies, Sweet Peas, Morning Glories, etc., and may be sown in the house from March to May, or outdoors after danger from frost is over.

Biennials. These grow from seed sown during mid-summer, flowering the second year, after which they die; many of the varieties bloom the first season if sown early. In this class we have Pansies, English Daisies, Campanula Medium, Dianthus, etc.

Perennials. Those which live from year to year, such as Aquilegia, Delphinium, Foxgloves, etc. Seed may be sown outdoors from June to September and transplanted late in fall into their permanent quarters, and protected during winter with a light litter of straw or leaves. The hardy perennials not usually needing any protection after the first winter; the half-hardy perennials require protection during the winter, and the tender perennials during the winter require greenhouse protection.

A COMPLETE INDEX FOR FLOWER SEEDS WILL BE FOUND IN FRONT OF CATALOGUE FOR NOVELTIES, SEE PAGES 66 TO 72. PLEASE USE NUMBERS WHEN ORDERING

ABUTILON (Chinese Bell Flower)

		Large Pkt.	Pkt.
15	**Choice Mixed.** Used extensively for ornamental bedding, also valuable for flowering indoors during the winter; seed should be started in heat from January till March; foliage is of maple form and has variegated coloring; flowers bell-shaped; height, 3 feet	$0.40	$0.10

ACHILLEA (Milfoil or Yarrow)

20	**Ptarmica, Fl. Pl., "The Pearl."** Tall erect plant bearing its pure white double flowers in great profusion all summer; hardy perennial; 2 feet..	.30	.10

ACONITUM (Monk's Hood or Helmet Flower)

Hardy perennial, thriving best in semi-shady situations; curious hood-shaped flowers in clusters; height, 4 feet; Aug.-Sept.

		Large pkt.	Pkt.
25	**Napellus, Blue**	$0.25	$0.05
27	" **White**	.40	.05

ACROCLINIUM (Everlasting Flower)

The flowers should be picked before they expand and hung with the tops downward to dry; annual; 1 foot.

		Large pkt.	Pkt.
33	**Single Mixed**	$0.15	$0.05
34	**Double Mixed**	.15	.05

ADLUMIA (Mountain Fringe or Allegheny Vine)

37	**Cirrhosa.** A charming hardy biennial climber, blooming the first season; delicate, feathery foliage, rose-colored flowers; 15 feet	.25	.10

ADONIS

40	**Aestivalis** (*Flos Adonis or Pheasant's Eye*). Hardy annual; pretty fine cut foliage and dark crimson flowers; height, 1 foot	.15	.05
42	**Vernalis** (*Ox Eye*). One of the choicest spring flowering perennial plants; finely cut, ornamental foliage, yellow flowers; 1 foot	.15	.05

AGROSTEMMA

66	**Coronaria** (*Mullein Pink*). Stout erect growing plants with silvery foliage and bright crimson flowers; hardy perennial; 2½ to 3 feet; July and August	.15	.05

Ageratum, Blue Perfection

AGERATUM (Floss Flower)

An excellent plant for edging or solid effects. For early bloom sow indoors from March till May; sown outdoors in May will flower in August. A continuous bloomer.

		Large pkt.	Pkt.
50	**Blue Perfection.** Large heads of deep blue flowers produced in abundance; 15 inches	$0.20	$0.10
61	**Little Blue Star.** Exceedingly dwarf and pretty; plants densely covered with bright blue flowers; height, 5 inches	.50	.15
54	**Imperial Dwarf Blue.** A compact growing plant; height, 9 inches	.15	.05
56	**Imperial Dwarf White**	.15	.05
58	**Imperial Dwarf Mixed**	.15	.05
52	**Cope's Pet.** Azure blue, 6 inches	.20	.10
62	**Princess Victoria Louise.** Light blue, white eye	.20	.10
60	**Grandiflorum Album.** Extreme large flowers of purest white; height, 1 foot	.15	.10

You will find some valuable Novelties offered on pages 66 to 72

ALYSSUM

One of the most popular garden flowers; remaining in bloom the entire season; used for edging or in rockeries or vases.

		Lge. pkt.	Pkt
71	**Little Gem.** Dwarf compact plants, densely covered with large pure white flowers; height, 4 inches..... oz., 60.	$0.15	$0.05
74	**Little Dorritt.** Extremely dwarf and compact, forming perfect little bushes with miniature white flowers; ideal for narrow edges...oz., 75c.	.20	.05
73	**Sweet.** The popular old-fashioned sort, the best for broad edges and vases. Pure white; height, 6 inches.....oz., 25c.	.15	.05
72	**Saxatile Compactum** (*Basket of Gold*). An ideal hardy perennial plant for the spring garden, flowering in May; silvery foliage with showy golden yellow flowers; blooms the first season if sown early indoors; 1 foot.....oz. 50c.	.15	.05

AMARANTHUS

Decorative foliage plants, easily raised from seed, either by starting them early indoors or sown outdoors in May.

		Large Pkt.	Pkt.
80	**Caudatus** (*Love Lies Bleeding*). Drooping crimson racemes.....	$0.15	$0.05
86	**Sunrise.** Bronzy crimson foliage shading off to bright scarlet leaves toward top of stalks.....	.20	.10
88	**Tricolor Splendens** (*Joseph's Coat*). Leaves red, yellow and green.....	.20	.05
90	**Mixed.** All sorts.....	.15	.05

AMPELOPSIS (Boston or Japanese Ivy)

100	**Veitchi.** A hardy perennial climber from Japan, with olive-green leaves, which turn to scarlet in the autumn; one of the best hardy vines for covering brick or stone buildings.....oz., 40c.	.15	.10

Giant Snapdragon (*Antirrhinum*)

Alyssum

ANTIRRHINUM (Snapdragon)

A splendid plant for beds or borders and one of our choicest cut flowers; extensively forced under glass during the winter. To have flowers early sow indoors from February till May, but even if sown outdoors in May it will flower profusely in September. If properly protected during the winter they will revive and throw up gigantic spikes of flowers during the summer.

MICHELL'S GIANT ANTIRRHINUMS

This strain produces stout heavy spikes, 2 to 3 feet in length, dressed with giant flowers of the purest colors.

		Lge Pkt.	Pkt
127	**Michell's Giant Salmon Pink.** A valuable addition to this popular flower; long spikes of a delicate salmon pink color.....	.40	.15
109	**Silver Pink.** A fine variety; long spikes and a profuse bloomer. Original pkt., $1.00.		
113	**Giant Pink**	$0.25	$0.10
114	" **Scarlet**	.25	.10
121	" **Striped**	.25	.10
115	" **White**	.25	.10
116	" **Yellow**	.25	.10
117	" **Mixed.** All colors.....	.20	.10
125	" **Double White** (*New*).....	.40	.15
126	" **Venus** (*New*). Shell pink on white ground	.40	.15
122	**Tall Mixed.** A fine selection.....oz., 40c.	.15	.05
124	**Imported Collection, 10 Tall Varieties**.....		.40

SEMI-DWARF ANTIRRHINUMS

The plants grow but 18 inches high, but have extreme large flowers over most part of the stem.

		Large Pkt.	Pkt.
111	**Daphne.** Carmine pink, white throat.....	$0.25	$0.10
110	**Defiance.** Fiery scarlet.....	.25	.10
119	**Golden Queen.** Golden yellow, giant flowers....	.20	.10
120	**Queen of the North.** Of purest white.....	.20	.10
118	**Mixed.** All colors.....	.20	.10
123	**Imported Collection, 10 Semi-Dwarf Varieties**		.40

DWARF ANTIRRHINUMS

The Dwarf or Tom Thumb varieties are excellent for bedding; also for edges. Height, 12 inches.

112	**Tom Thumb Mixed.** All colors.....	$0.20	$0.05

ANCHUSA (Sea Bugloss)

		Large pkt.	Pkt.
102	**Italica "Dropmore."** A strong growing hardy perennial plant, 4 feet high, with rough hairy foliage and long heads of bright blue flowers.	$0.40	$0.15

ANEMONE (Wind Flower)

A dainty spring flower with bright cup-shaped blossoms; splendid for cutting; perennial.

		Large pkt.	Pkt.
105	**Coronaria Mixed.** 2 feet; all colors	$0.20	$0.05
107	**St. Brigid, or Poppy.** Flowers of large size with distinct rainbow rings in centre	.40	.15

ANTHEMIS (Hardy Marguerite)

108	**Tinctoria Kelwayi.** A handsome hardy perennial, bearing all summer, daisy-like bright yellow flowers; 2 feet	.15	.10

ANTIRRHINUM (Snapdragon) See page 74

Aquilegia—Long Spurred

AQUILEGIAS OR COLUMBINES

An elegant, graceful, beautiful spring flowering plant, producing exquisitely spurred flowers on stems rising 2 feet above the fern-like foliage; splendid for cutting.

		Large pkt.	Pkt.
139	**Long Spurred Hybrids.** A great assortment of all varieties possessing long spurs	$0.40	$0.10
129	**Canadensis.** Scarlet and yellow	.25	.05
130	**Chrysantha.** Bright golden yellow	.25	.10
131	" **Alba.** Purest white	.30	.10
128	**Californica Hybrida.** All colors, long spurs	.25	.10
132	**Coerulea** (*Rocky Mountain Columbine*). Large flowers, violet, blue and white	.40	.10
140	**Flabellata Nana Alba.** A dwarf variety, with fine glaucous foliage and large white flowers	.30	.10
136	**Glandulosa Vera.** Lavender and white	.40	.15
133	**Haylodgensis Delicatissima.** Satiny rose	.50	.15
137	**Nivea Grandiflora.** Pure white	.15	.05
138	**Rose Queen.** Pink, white centre	.50	.20
134	**Single Mixed** oz., 35c.	.15	.05
135	**Double Mixed** oz., 40c.	.15	.05

ARABIS (Rock Cress)

144	**Alpina.** Early spring flowering plant especially adapted for edging and rockery; plants form a dense carpet completely covered with pure white blossoms; perennial; May; 6 inches	.15	.05

Arctotis Grandis

ARCTOTIS (African Daisy)

		Large pkt.	Pkt.
150	**Grandis.** Bushy annual plants, producing the entire season, on long stems, large daisy-like flowers, pure white on the upper surface, the reverse side of petals lilac-blue; 2 feet	$0.20	$0.10

ARTEMESIA

152 **Saccorum Viridis** (*Summer Fir*). A new ornamental foliage plant from China; pyramidal bushes 3 to 5 feet high; may be grown in groups and borders; also pretty as a pot plant; foliage fine and of a rich dark green. Per pkt., 20c.

ARUNDO, (Ornamental Grass) See page 88

ASPARAGUS

		100 Seeds	Pkt
158	**Hatcheri.** Of dense and symmetrical growth; dainty fern-like fronds set close together along the stalk; valuable for decorative use, also for specimen pot plants	$1.50	$0.25
160	**Plumosus Nanus.** An excellent plant for house or conservatory decoration or cutting on account of its graceful, finely cut foliage; will remain fresh a long time after being cut	1.00	.25
162	**Sprengeri.** One of the best plants to grow in hanging baskets for greenhouse or for outdoors in the summer	.50	.10

ASPERULA (Woodruff)

		Large Pkt.	Pkt.
165	**Odorata.** Dwarf spring flowers of purest white, thrives in shady situations; perennial; 1 foot; May	.20	.05

IMPORTED COLLECTIONS OF CHOICE FLOWER SEEDS

Collection of Annuals.	Containing 8 distinct sorts	$0.35
Collection of Annuals.	" 12 distinct sorts	.50
Collection of Annuals.	" 18 distinct sorts	.75
Collection of Annuals.	" 24 distinct sorts	1.00
Collection of Perennials.	" 12 distinct sorts	.40
Collection of Perennials.	" 25 distinct sorts	.75

MICHELL'S SUPERB ASTERS

We can imagine no other flower which combines so much beauty with grace and usefulness and with which more brilliant effects can be achieved. From July till September this flower reigns supreme in the garden, not equaled by any other. For these obvious reasons we give, perhaps, more attention to these flowers than any other and are in position to offer our patrons remarkably fine strains, producing perfect flowers of great beauty. Many of the strains we offer are grown under our own supervision by specialists in this country, others are imported from most reliable sources. To have early flowers sow the seed in the house from March till May; otherwise sow outdoors after danger from frost has passed. To do well Asters require a well pulverized soil, always kept open by continuous cultivation.

Pink Superb Aster

NEW ASTER MICHELL'S PINK SUPERB

269 We are pleased to be able to again offer to our customers this new and valuable variety of Aster, which is really "Superb" in every sense of the word. The flowers are of immense size, petals long and broad, those in the centre lie curled and incurved to such an extent that the crown is completely covered; the general appearance of the flower being that of an immense flat Chrysanthemum; color, a beautiful light, or shell pink. One of the admirable features of this new variety is the exceedingly long stems, which usually measure 34 to 36 inches in length, making it a valuable sort for cutting. Per pkt., 25c.; 65c. per large pkt.; per ¼ oz., $2.00, $7.50 per oz.

ASTERMUM

A new and valuable variety of Aster; plants grow straight up with strong sturdy stems, starting near the base, and owing to the symmetry of the plant, they may be set more closely than other varieties. Each plant yields from ten to fifteen blooms, which last a long while after being cut.

			Large pkt.	Pkt.
170	**Lavender**	¼ oz., $1.25	$0.65	$0.15
171	**Pink**	¼ oz., 1.25	.65	.15
172	**White**	¼ oz., 1.25	.65	.15
173	**Mixed**	¼ oz., 1.25	.65	.15

EARLY WONDER ASTER

The earliest variety in cultivation, coming into bloom several days before "Queen of the Market." The form is that of "Giant Comet" type; the flowers are large and very double; stems average 18 inches in length.

		Oz.	Large pkt.	Pkt.
228	**White**	$3.00	$0.50	$0.10
227	**Pink**	3.00	.50	.10

Ask for Cultural Leaflet No. 202 on the Growing of Asters.

LADY ROOSEVELT ASTER

251 The flowers resemble huge incurved Chrysanthemums; the color is a gorgeous pink, of marvelous beauty. The robust plants produce stout stems invariably 40 inches long, crowned with gigantic flowers. The seed we offer is selected from original specimens and then recleaned, so it must give absolute satisfaction. Per pkt., 25c.; 65c. per large pkt.; ¼ oz., $1.50.

NEW CREGO ASTER

Our illustration can do but partial justice to this grand flower. The twisted and curled petals give the flower the appearance of a huge flat chrysanthemum. The flowers are very large, often measuring 5 inches in diameter. The strong erect stems average 20 to 24 inches in length. Though the flowers are large they are produced in abundance.

		Oz.	Large pkt.	Pkt.
199	**White**	$2.50	$0.50	$0.15
198	**Shell Pink**	2.50	.50	.15
202	**Rose Pink**	2.50	.50	.15
200	**Lavender**	2.50	.50	.15
201	**Purple**	2.50	.50	.15
203	**Mixed**	2.50	.50	.15

See pages 77 and 78 for other valuable varieties of Asters

Crego Aster

Aster—Michell's Improved Semple's Branching

MICHELL'S IMPROVED SEMPLE'S BRANCHING ASTER

This is the finest late Aster we can recommend. The deep, heavy incurved flowers are borne on rigid stems often 2 feet and more in length. The colors are superb and can be used to advantage as a cut flower. What we offer is not the aster which is usually known by that name, but something much superior, as we are extremely critical in the selection of specimens for seeding. During the past season we have received numerous testimonials on the strength of the quality of this aster.

		Oz.	Large Pkt.	Pkt.
262	**White**	$1.50	$0.40	$0.10
259	**Shell Pink**	1.50	.40	.10
257	**Lavender**	1.50	.40	.10
258	**Rose Pink**	1.50	.40	.10
260	**Purple**	1.50	.40	.10
261	**Crimson**	1.50	.40	.10
263	**Choice Mixed**	1.50	.40	.10
264	**Our Collection** (one packet each of above 6 colors)			.50

MICHELL'S INVINCIBLE ASTER

Healthy, robust plants of branching growth; produce, on 2 foot long stems, massive pæony-formed flowers, which are always perfectly double. They begin to flower quite early in summer and remain perfect until checked by frost.

		Oz.	Large Pkt.	Pkt.
239	**White**	$2.25	$0.40	$0.10
238	**Rose Pink**	2.25	.40	.10
237	**Lavender**	2.25	.40	.10
235	**Blue**	2.25	.40	.10
236	**Crimson**	2.25	.40	.10
239a.	**Mixed.** All colors	2.25	.40	.10
248	**Our Collection** (one packet each of above 5 colors)			.40

QUEEN OF THE MARKET ASTER

Very desirable on account of its earliness and the freedom in which it flowers. Well-formed flowers are produced on 12-inch stems in the greatest profusion early in July.

		Oz.	Large Pkt.	Pkt.
279	**White**	$1.00	$0.25	$0.10
277	**Blush Pink**	1.00	.25	.10
274	**Rose Pink**	1.00	.25	.10
276	**Light Blue**	1.00	.25	.10
275	**Dark Blue**	1.00	.25	.10
278	**Crimson**	1.00	.25	.10
280	**Choice Mixed**	1.00	.25	.10
273	**Our Collection** (one packet each of above 6 colors)			.50
281	**Imported Collection of 8 Colors**			.60

PAEONY-FLOWERED PRIZE ASTER
(Truffaut's)

Perfectly shaped flowers, each petal regularly incurved to meet at the centre, carried straight on stems 18 inches high.

		Oz.	Large Pkt.	Pkt.
304	**White**	$2.25	$0.40	$0.10
302	**Pink**	2.25	.40	.10
301	**Light Blue**	2.25	.40	.10
303	**Purple Violet**	2.25	.40	.10
300	**Crimson**	2.25	.40	.10
305	**Choicest Mixed**	2.00	.40	.10
307	**Our Collection** (one pkt. each of above 5 colors)			.40
306	**Imported Collection of 12 Colors**			.75

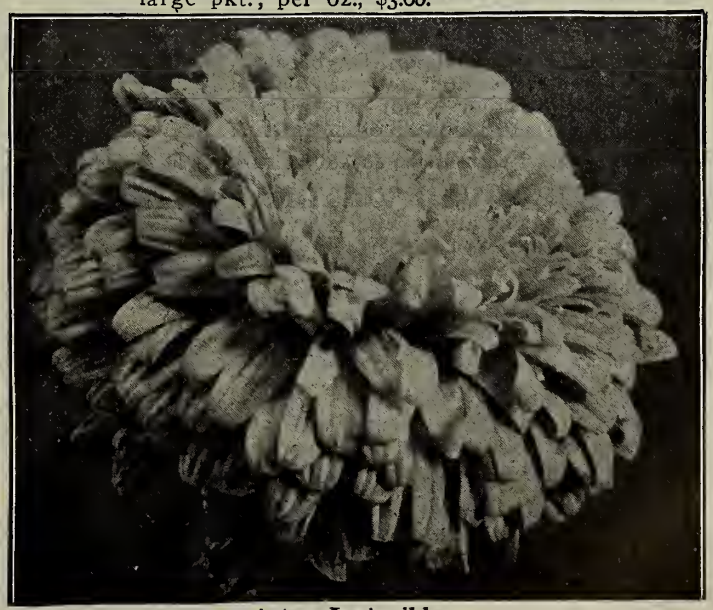
GIANT COMET ASTER

A flower of exquisite form, similar to the Hohenzollern and resembling Japanese Chrysanthemums; petals are curled downward at the tips and resemble ostrich feathers.

		Oz.	Large Pkt.	Pkt.
194	**White**	$2.25	$0.40	$0.10
192	**Peach Blossom**	2.25	.40	.10
193	**Pink and White**	2.25	.40	.10
190	**Light Blue**	2.25	.40	.10
189	**Dark Blue**	2.25	.40	.10
191	**Crimson**	2.25	.40	.10
195	**Choice Mixed**	2.00	.40	.10
197	**Our Collection** (one pkt. each of above 6 colors)			.50
196	**Imported Collection of 12 Colors**			.75

PEERLESS PINK ASTER

266 This is one of the finest of the late branching types, but comes into bloom a little earlier. The plants are of robust habit, and produce on long stems large and perfectly double flowers of a beautiful shell pink, very similar in shade to the Mary Semple variety. Per pkt., 15c.; 65c. per large pkt.; per oz., $3.00.



Aster—Invincible

Aster—Daybreak

FIVE VALUABLE ASTERS OF THE "DAYBREAK" TYPE

The Daybreak class forms strong plants of symmetrical growth; flowers large, perfectly double and carried on long, erect stems, seldom less than 18 inches in length.

		Oz.	Large pkt.	Pkt
270	**Michell's Purity (White Daybreak).** Very free flowering; plants are literally one mass of snow-white flowers.	$3.00	$0.40	$0.10
205	**Pink Daybreak.** Flowers large, double and of a delicate pink	3.00	.40	.10
250	**Lavender Daybreak.** Large flowers of a beautiful shade of lavender	3.00	.50	.15
253	**Lemon Drop (Yellow Daybreak).** Flowers perfect and symmetrical in form, and of a decided yellow color	3.00	.50	.15
284	**Salmon King (Salmon Daybreak).** A splendid addition to the Daybreak class; the color is not only novel, but of a very pleasing shade	3.00	.50	.15

NOTE—One packet each of the above five varieties of Asters for 50c.

IMPROVED VICTORIA ASTER

A compact upright growing plant with stout stems and deep, full flowers of large size; height, 18 inches.

		Oz.	Large pkt.	Pkt.
324	**White**	$2.75	$0.40	$0.10
321	**Pink**	2.75	.40	.10
320	**Light Blue**	2.75	.40	.10
322	**Purple**	2.75	.40	.10
323	**Scarlet**	2.75	.40	.10
325	**Choice Mixed**	2.50	.40	.10
319	**Our Collection** (one packet each of above 5 colors).			.40
326	**Imported Collection of 8 Colors**			.60

VICK'S ENCHANTRESS PINK ASTER

312 Of vigorous, upright, branching habit, with long strong stems; the beautiful, large double flowers have the delicate pink shade of the Enchantress Carnation. The broad, flat petals give a pleasing soft effect. Per pkt., 20c.; 50c. per large pkt.

ASTERS—Miscellaneous Sorts

		Oz.	Large pkt.	Pkt.
252	**Lavender Gem.** A beautiful variety of the Comet type, with large, perfectly double flowers of a delicate shade of lavender; 2 feet	$3.00	$0.50	$0.15
268	**Pink Beauty.** An excellent variety of the chrysanthemum flowered type; strong, upright growth producing an abundance of immense, double flowers; inner petals incurved; outer, reflexed; Color, a soft, delicate blush pink	3.00	.50	.15
282	**Rose King.** Habit of growth similar to the Branching Aster. In form the flower is distinct; petals resemble the quilled varieties, but are larger and broader, those in the centre being curled and incurved	2.25	.40	.15
316	**Violet King.** Of the same habit of growth and form of flower as above; color, soft violet lilac	2.00	.40	.10
317	**Vick's White King Aster.** This variety will attract the attention of every one who is acquainted with the Violet King. The flowers are large, full centered and pure white; stems long, 16 to 20 inches; profuse bloomer		.50	.20
308	**Mikado Pink or Rochester.** Plants of branching habit, and producing flowers of immense size, with long narrow, gracefully reflexed petals. Color, shell pink	2.50	.50	.10
180	**China or German Mixed.** This mixture contains many different sorts and colors	.60	.20	.05

PERENNIAL ASTER (Michaelmas Daisy)

		Large pkt.	Pkt.
328	**Choice Mixed.** One of the showiest of our late flowering, perennial plants; star-like, single flowers; if sown early in spring will flower the first season; 2 feet	$0.30	$0.10

Violet King Aster

AURICULA (Primula Auricula)

		Large pkt.	Pkt.
410	**Choice Mixed.** These early flowering perennial plants resemble primroses and have multi-colored flowers in great variety; 1 foot; May..	$0.50	$0.10

AVENA, Ornamental Grass (*See page 88*)

Balsam-Camellia Flowered

MICHELL'S "DISTINCTIVE" BALSAM
(Lady's Slipper)

These old-fashioned flowers have been much improved, and what we offer is a revelation to those who have never seen them. Give Balsams plenty of room and they will develop to immense plants with gorgeous flowers. They are of easiest possible culture and will surely succeed anywhere; height, 2 feet.

		Oz.	Large pkt.	Pkt.
425	**Camellia Flowered, Pink**	$1.00	$0.25	$0.05
427	" " **Scarlet**	1.00	.25	.05
429	" " **White Perfection**	1.50	.30	.10
426	" " **Prince Bismarck.** Rich salmon pink.	1.50	.30	.10
431	" " **Choicest Mixed**	.75	.20	.10
432	**Fine Mixed**	.50	.15	.05
433	**Imported Collection of 6 Colors**			.30

BALLOON VINE (Love-in-a-Puff)

		Oz.	Pkt.
420	A rapid growing annual climber, with white blossoms; seed pods look like miniature balloons..	$0.20	$0.05

BALSAM APPLE
(Momordica)

440 Remarkably handsome climbing annuals, bearing ornamental orange-colored fruit which when ripe opens, showing a brilliant crimson interior. Oz. 30c., pkt. 5c.

BAPTISIA
(False Indigo)

442 **Australis.** A strong growing perennial plant about 2 feet high, with dark green, deeply cut foliage and spikes of dark blue flowers in June and July. Large pkt. 20c., pkt. 5c.

BARTONIA

443 **Aurea.** A free blooming showy plant with large golden yellow flowers; thrives well in partial shade; 18 inches. Large pkt. 15c., pkt. 5c.

Butterfly Runner Bean

BEAN (Runner)

A rapid climber, flowering profusely; grows 10 to 15 feet high.

444	**Butterfly Runner.** A new and distinct variety; the flowers are of large size and borne in great profusion; color, pink and white. Oz. 15c., pkt. 5c.		
445	**Scarlet.** Pint, 20c., pkt. 5c.		
446	**White.** Pint 20c., pkt. 5c.		

BEGONIA (Semperflorens Type)

The value of flowering Begonias as bedding plants has been fully established and the gorgeous effects they have produced have placed them in the front rank of bedding plants. Seeds sown in February or March under glass will produce nice plants for planting out in June.

		Large pkt.	Pkt.
471	**Vernon.** Rich orange carmine flowers and bronzy-red foliage	$0.30	$0.10
455	**Anna Regina.** Rose-colored flowers	.65	.15
459	**Erfordia.** Delicate pink, one of the choicest	.40	.15
463	**Queen of Carpet Bedder.** Of compact dwarf growth and in appearance the same as "Vernon"	.40	.15
473	**Zulu King.** Blood red flowers and dark red leaves and stem	.65	.15
467	**Choice Mixed.** All sorts and varieties	.40	.10

BEGONIA, GRACILIS

This is undoubtedly the finest outdoor flowering Begonia; plants are literally covered with flowers; height, 1 foot.

		Large pkt.	Pkt.
458	**Gracilis Rosea.** Light pink	$0.40	$0.15
457	" **Luminosa.** Deep red	.50	.20
456	" **Alba.** Pure white	.40	.15
460	" **Prima Donna.** Rose, shading to carmine	.65	.20

BEGONIA, REX HYBRIDS

464	Beautifully formed leaves with colored markings; a popular house plant; choice mixed	.65	.25

BEGONIA, TUBEROUS ROOTED

These magnificent flowers are becoming very popular because they are of easy culture and are extremely showy; thrive best in semi-shady situations.

		Large pkt.	Pkt.
461	**International Prize, Single.** The seed we offer is saved from the finest specimens and only the largest flowers		$0.25
469	**Single Choice Mixed**	$0.65	.15
470	**Double Choice Mixed**		.25

BELLIS PERENNIS (See Daisy)

BOLTONIA (False Chamomile)

		Large pkt.	Pkt.
481	**Latisquama.** A tall, late flowering plant with aster-like flowers of pinkish lavender; perennial; 6 feet; September	$0.30	$0.10

BRACHYCOME (Swan River Daisy)

485	**Iberidifolia.** A profuse flowering annual with small blue flowers resembling those of the Cineraria; 9 inches	.20	.05

BRIZA MAXIMA—ORNAMENTAL GRASS (See page 88)

BROMUS—ORNAMENTAL GRASS (See page 88)

BROWALLIA

One of our favorite bedding plants, producing beautiful flowers during the summer and autumn months; grows freely in any rich soil; blooms finely in the winter if sown in August; 18 inches. Seed may be started in the house from March till May.

		Lge. pkt.	Pkt.
500	**Elata Coerulea.** Large sky-blue flowers	$0.20	$0.05
502	**Speciosa Major.** Large-flowering variety of brilliant ultramarine blue; desirable as a pot plant for winter and early spring flowering	.30	.10

Calendula—Pot Marigold

CALENDULA (Pot Marigold)

Few annuals are of easier culture; sown in May outdoors they are in bloom within six weeks after sowing and remain in bloom after everything has been killed by frost. They may also be successfully grown in pots indoors.

		Oz.	Pkt.
526	**Meteor.** Large yellow striped with orange	$0.25	$0.05
527	**Orange King.** Rich dark orange	.25	.05
528	**Prince of Orange.** Dark orange striped	.25	.05
525	**Grandiflora. Large orange-yellow**	.25	.05
529	**Sulphurea.** Beautiful sulphur yellow	.25	.05
530	**Mixed**	.25	.05

CALCEOLARIA

An ornamental plant, and a universal favorite for decorating the greenhouse or conservatory; produces a mass of beautiful pocket-like flowers. Our strains of Calceolaria have a wide reputation as to large size, rich and varied colors of the flowers.

		Lge. pkt.	Pkt.
515	**Hybrida Grandiflora, Tall Mixed.** Large flowering, rich, self-colored flowers saved from a choice collection; 18 inches	$0.75	$0.25
516	**Hybrida Grandiflora Pumila Compacta.** Of dwarf, compact robust growth, producing immense trusses of large and varied brilliant self-colored and spotted flowers; 1 foot	.75	.25
517	**James' Superb Strain.** A robust grower, producing very large and beautiful flowers; 18 ins.	1.25	.50
519	**Sutton's Perfection.** Choicest mixed		1.00
518	**Rugosa Mixed** *(Shrubby)*. Small flowering varieties for bedding; finest colors; 1 foot	1.25	.50

Calliopsis

CALLIOPSIS (Coreopsis)

Free flowering plants beginning very early and continuing until frost. Showy and excellent for cutting.

		Oz.	Pkt.
535	**Golden Wave.** Large yellow flowers with dark brown centres	$0.25	$0.05
536	**Nigra Speciosa.** Rich crimson	.25	.05
537	**Choice Mixed.** All varieties and colors	.25	.05

PERENNIAL VARIETIES

540	**Lanceolata Grandiflora.** Single golden yellow flowers of graceful form; invaluable for cutting; flowers uninterruptedly the entire summer	.50	.10
541	**California Sunbeams.** Very large flowers beautifully formed; shades of yellow and brown	Lge. pkt. $0.25	Pkt. $0.10

Canterbury Bell

CAMPANULA MEDIA (Canterbury Bell)

These are strictly biennials and require the following cultural directions: Sow from June 1st till September 1st; when strong enough transplant to a distance of 6 inches apart; after frost has set in protect with leaves and straw. They flower the following June, after which they die. Their colors are so pure that gorgeous effects can be achieved with them.

		Large pkt.	Pkt.
543	**Single Blue**	$0.15	$0.05
544	" **Pink**	.15	.05
553	" **White**	.15	.05
550	" **Mixed**	.15	.05
551	**Double Mixed**	.20	.05

CAMPANULA CALYCANTHEMA (Cup and Saucer)

These produce beautiful, large single flowers, resembling a cup and saucer; they require the same treatment as above.

		Large pkt.	Pkt.
545	**White**	$0.30	$0.10
588	**Pink**	.30	.10
586	**Blue**	.30	.10
546	**Mixed**	.25	.10

CAMPANULAS OR BLUE BELLS

PERENNIAL VARIETIES

These are among our best known hardy perennials; the tall varieties are fine for cutting while the dwarf sorts make excellent border plants; all have dainty bell-shaped flowers.

		Lge. pkt.	Pkt.
538	**Carpatica, Blue** (*Carpathian Hare Bell*). Compact tufts not exceeding 8 inches; flowers clear blue, held erect; blooms in June and July	$0.15	$0.05
539	**Carpatica, White.** Same as above	.15	.05
547	**Persicifolia Grandiflora, Blue** (*Peach Bells*). Stately spikes, 4 feet tall with immense blue bell-shaped flowers	.30	.15
548	**Persicifolia Grandiflora, White.** Same as above	.30	.15
549	**Pyramidalis** (*Chimney Bell Flower*). Perfect pyramids 6 feet high crowded with large bell-shaped flowers, blue and white mixed	.20	.05

CANARY BIRD FLOWER

555 One of the most charming annual climbers, bearing an abundance of bright yellow, fringed flowers ..... oz. 30c. .15 .05

Michell's Giant White Candytuft

CANDYTUFT (Iberis)

Splendid edging plants, flowering within six weeks after sowing; height, 1 foot. They are excellent for cutting.

		Large pkt.	Pkt.
561	**Michell's Giant White.** The largest and finest white. From 10 to 12 immense spikes resembling Hyacinths appear on a single plant; fine for forcing ..... oz. 60c.	$0.20	$0.10
562	**Empress.** An excellent variety with long trusses of pure white flowers ..... oz. 40c.	.15	.10
566	**Pink** ..... oz. 40c.	.15	.05
560	**Crimson** ..... oz. 25c.	.15	.05
559	**Carmine.** Deep scarlet ..... oz. 40c.	.15	.05
568	**Purple.** Deep rich purple ..... oz. 25c.	.15	.05
574	**White Rocket.** Long spikes ..... oz. 20c.		.05
564	**Little Prince.** Very dwarf and compact with pure white flowers; excellent for edging; oz. 50c.	.15	.10
576	**Choice Mixed.** All colors ..... oz. 20c.		.05
578	**Imported Collection, 6 Colors**		.25
570	**Sempervirens.** Dwarf spring flowering perennial plants; ideal for the bulb border, flowers of glistening white, May, 8 inches	.30	.10

CANNA (Indian Shot)

Although these are generally planted from roots, they may be grown with comparative ease from seed. Scrape extreme edge of seed with a sharp filing iron and put seeds in wet moss over slight heat. Just as soon as they start they ought to be potted.

		Oz.	Pkt.
597	**Choice Mixed.** Saved from the finest sorts	$0.25	$0.05

Carnation—Marguerite

CARNATION

These are general favorites for their richness of color and delightful fragrance; they are desirable for greenhouse culture in winter as well as for the garden in summer. Start in the house from January till April, but do not set outdoors until danger from frost is past.

		Large pkt.	Pkt.
600	**Early Vienna.** Large double flowers in choicest mixture; 1 foot	$0.30	$0.10
602	**Finest German.** Double mixed; selected strain.	.65	.25
610	**Choice Mixed Double.** All sorts	.50	.10

MARGUERITE CARNATIONS

These are the most satisfactory of the annual pinks; and will bloom in four months after sowing the seed. The flowers are large, always perfect, fragrant and are produced continuously. If slightly protected the first winter, they will revive the following spring and bloom during that whole season.

		Large Pkt.	Pkt.
604	**Excelsior Mixed.** Immense flowers in all the beautiful shades	$0.40	$0.15
605	**Pink**	.40	.10
606	**White**	.40	.10
607	**Scarlet**	.40	.10
608	**Yellow**	.40	.10
609	**Choice Mixed**	oz. $1.00	.25 .10

CASTOR OIL BEAN See Ricinus

CELOSIA CRISTATA (Crested Cockscomb)

Very desirable for garden effects or edging; easily grown; produces large, brilliant comb-like heads.

630	**Aurea.** Yellow	$0.30	$0.10
617	**Giant Empress.** Giant heads of rich crimson	.30	.10
619	**Glasgow Prize**	.25	.10
625	**Sutton's Prize.** Very dwarf, bright scarlet comb		.50
631	**Choice Mixed**	oz. $1.00	.20 .05

CELOSIA PLUMOSA (Feathered Cockscomb)

A splendid decorative plant for the garden. The feathery plumes are produced on long stems and are excellent for cutting.

		Large pkt.	Pkt.
622	**Pride of Castle Gould.** Large flower heads of many colors, in mixture	$0.40	$0.15
624	**Scarlet**	.15	.10
620	**Golden Plume.** Bright golden plume	.15	.10
623	**Spicata.** Of pyramid growth; flowers pink shading to silvery white; 3 feet	.20	.10
626	**Thompsoni Magnifica.** An improved strain with magnificent shades	.25	.10
627	**Thompson's Superb.** A strain with bronze colored foliage and graceful feathery plumes of brilliant crimson; 2 feet	.20	.10
633	**Choice Mixed.** All colors	oz. 50c. .15	.05

Centaurea Cyanus (Corn Flower)

CENTAUREA

CENTAUREA CYANUS (Cornflower or Bachelor's Button)

		Oz.	Pkt.
638	**Emperor William.** Deep blue	$0.25	$0.05
644	**Double Blue.** Very large (Large pkt. 20c.)		.10
639	**Pink**	.25	.05
640	**White**	.25	.05
641	**Choice Mixed**	.25	.05
642	**Double Mixed**	.40	.05

CENTAUREA IMPERIALIS (Giant Cornflower)

Gigantic, beautiful, sweet-scented flowers are borne on long stems. They are well adapted for cutting and remain fresh long after being cut. Height of plant, 2 to 3 feet.

		Oz.	Large pkt.	Pkt.
645	**Deep Rose**	$0.75	$0.20	$0.10
646	**Lavender**	.75	.20	.10
647	**Lilac**	.75	.20	.10
648	**Brilliant Pink**	.75	.20	.10
649	**Purple**	.75	.20	.10
650	**White**	.75	.20	.10
651	**Choice Mixed**	.60	.15	.10
653	**Our Collection** (one packet each of above 6 varieties)			.50

WHITE LEAVED CENTAUREA (Dusty Miller)

		500 Seeds	Pkt.
636	**Gymnocarpa.** Fine cut silvery gray foliage	$0.20	$0.10
635	**Candidissima.** Broad cut leaves of silvery gray	.30	.10

VARIOUS CENTAUREAS

		Large pkt.	Pkt.
634	**Americana.** Lilac purple	$0.20	$0.10
654	**Margaritae.** Large white flowers; fragrant	.25	.10
656	**Suaveolens.** Bright yellow, fragrant blossoms	.15	.05
658	**Pulcherrimus.** Perennial; delicate pink 2½ ft.		.25
655	**Montana.** Blue; perennial; 18 inches	.30	.10
657	" **Alba.** White	.30	.10

CERASTIUM (Snow in Summer)

662 **Tomentosum.** Dwarf, white-leaved edging plant; flowers white; 4 inches ..... Lge. pkt. $0.40 — Pkt $0.15

CHRYSANTHEMUM —ANNUAL VARIETIES

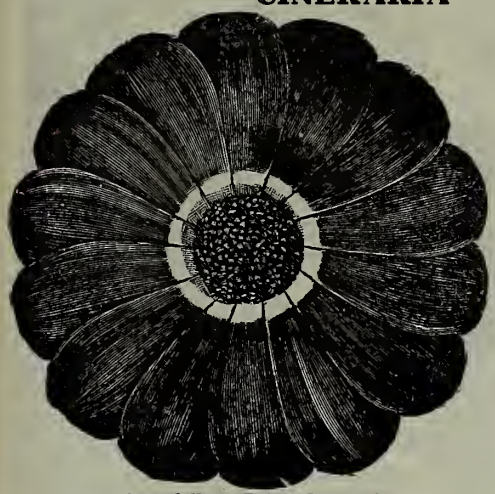
Exquisitely colored daisy-like flowers with finely cut foliage; good for cutting; also effective as a border plant.

669 **Helios** (*Evening Star*). Extra large pure golden yellow flowers often measuring 4 inches across; height, 2 feet ..... Lge. pkt. $0.15 — Pkt. $0.10
680 **White Star.** Purest white ..... .20 — .10
670 **Inodorum, "Snowball."** Large double flowers of finest white and good form; splendid for cutting; 1 foot ..... .20 — .10
681 **Single Mixed** ..... oz. 30c. .15 — .05
683 **Double Mixed** ..... oz. 30c. .15 — .05

CHRYSANTHEMUM—PERENNIAL VARIETIES

666 **Comtesse de Chambord** (*Golden Paris Daisy*). Single, beautiful clear yellow flowers ..... Lge. pkt. $0.20 — Pkt. $0.10
667 **Frutescens Grandiflorum** (*Paris Daisy or Marguerite*). Single flowers, white with yellow eye ..... .20 — .10
671 **Shasta Daisy, "Alaska."** The finest of all; single white flowers on long stems; 2 feet .. .65 — .20
673 **King Edward VII.** Flowers extra large; pure white ..... .25 — .10
675 **Princess Henry.** Immense white flowers, 4 in. across; 18 inches ..... .25 — .10
685 **Japanese Hybrids.** Large flowers of the finest types; an extra choice mixture; seed sown in spring will produce flowering plants by fall; 18 inches ..... .65 — .15

CINERARIA



Grandiflora Prize Cineraria

One of the most ornamental and useful plants for conservatory or house decoration; seed may be sown from May to September for a succession. **Our Grandiflora Prize Strain** is the best procurable, producing immense trusses of the largest flowers, often measuring up to 4 inches across. Has been awarded numerous first prizes.

Large Pkt. — Pkt.

691 **Grandiflora Prize Dwarf.** Mixed colors; plants of dwarf habit ..... $0.75 — $0.35
693 **Grandiflora Prize Medium Tall.** Mixed colors; desirable as a decorative plant ..... .75 — .35
699 **James' Giant Strain.** A superb variety; mixed colors ..... 1.25 — .50
707 **Sutton's Superb.** Mixed colors. Original pkt. — .75
700 **Matador.** Large bright red flowers ..... .75 — .35
695 **Hybrida.** Choice mixed colors ..... .65 — .25
702 **Radiata Hybrida.** New varieties of the Star Cineraria in a wide range of colors and shades ..... .75 — .20
703 **Stellata** (*Sutton's*). Medium sized star-like flowers. Original pkt. ..... — .75
705 **Stellata Hybrida.** Of graceful and vigorous habit, producing a profusion of elegant flowers ..... .75 — .25

WHITE-LEAVED CINERARIA (Dusty Miller)

701 **Maritima Candidissima.** Silvery green laciniated foliage, good for edging ..... .15 — .05

CLARKIA

Annuals of easy culture; planted in large groups they are very bright and effective, and the long graceful sprays are good for table decorations.

Large pkt. — Pkt.

708 **Single Mixed.** All colors ..... $0.15 — $0.05
709 **Double Mixed.** All colors ..... .15 — .05

CLEMATIS

Hardy perennial climbers; fine for arbors, verandas, etc.

Large pkt. — Pkt.

710 **Flammula.** Feathery-white fragrant flowers. .15 — .05
712 **Jackman's Large Flowering.** Mixed; saved from the finest, large flowering sorts ..... .40 — .15
714 **Paniculata** (*Japanese Virgin's Bower*). The beautiful autumn flowering variety so much admired for its fragrant, white star-shaped flowers ..... .20 — .10

CLEOME (Spider Plant)

Tall bushy annual plant, branching freely and continuously in bloom. If protected during first winter it will live another season; 4 feet.

Large pkt. — Pkt.

720 **Pungens.** Pink flowers ..... $0.20 — $0.05

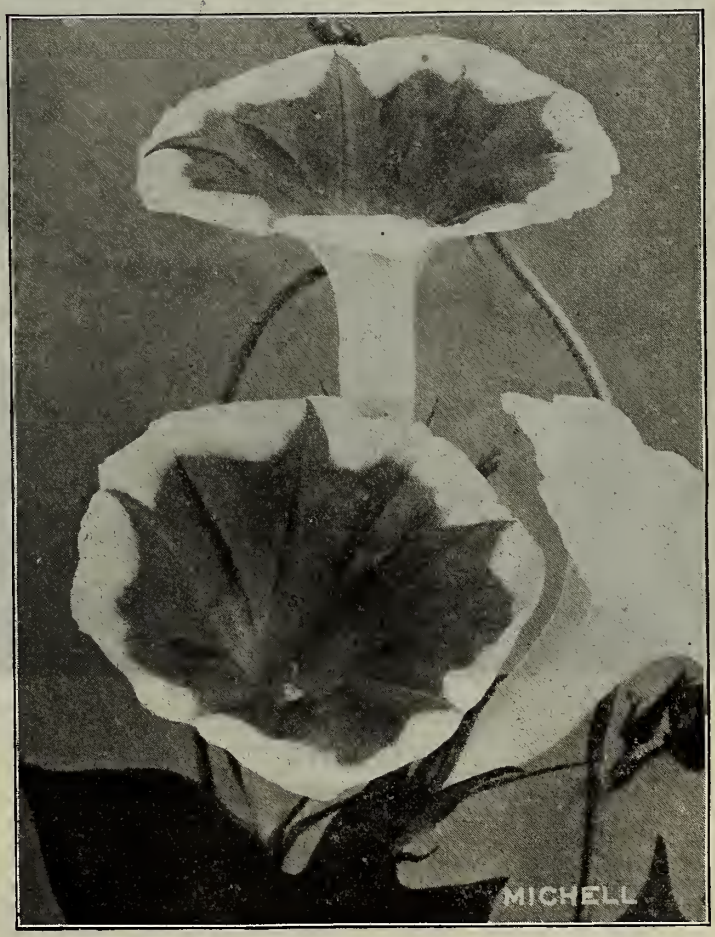
COBAEA SCANDENS (Cups and Saucers Vine)

Well-known climber of rapid growth, producing large bell-shaped blossoms; in sowing, place the seeds edgewise, and merely cover with light soil.

Large pkt. — Pkt.

725 **Purple** ..... oz. $0.60 — $0.15 — $0.10
726 **White** ..... .30 — .10

COCKSCOMB See Celosia
COIX LACHRYMAE See Grasses (Ornamental)



Japanese Imperial Morning Glory (*Convolvulus*)

CONVOLVULUS (Morning Glory)

MAJUS, OR TALL VARIETIES

One of the most popular annual climbers; a rapid grower.

740 **Japanese Imperial.** Flowers of immense size, and of a great variety of colors ..... Oz. $0.25 — Pkt. $0.05
741 **Japanese Imperial Fringed.** Large fringed flowers of many beautiful colors and shades .40 — .10
742 **Mixed.** All colors ..... .15 — .05
744 **Double Flowering.** Mixed colors ..... .40 — .10
750 **Imported Collection.** 10 varieties ..... — .30

MINOR, OR DWARF VARIETIES

A charming garden plant, growing about a foot high.

748 **Mixed Colors** ..... .15 — .05
746 **Tricolor.** Blue and white ..... .15 — .05

Michell's Giant Fancy Cosmos

COSMOS

MICHELL'S LARGE EARLY FLOWERING

This new Early Flowering Strain will begin blooming as early as July and will continue until frost; flowers large, often measuring 3 inches across; 4 feet.

		Oz.	Large pkt.	Pkt.
751	**Crimson**	$0.75	$0.20	$0.10
752	**Pink**	.75	.20	.10
753	**White**	.75	.20	.10
754	**Mixed**	.60	.20	.10
755	**Dawn.** White flushed with pink	.75	.20	.10

MICHELL'S GIANT OR LATE COSMOS

These produce giant blooms on plants often 7 feet tall.

		Oz.	Large pkt.	Pkt.
759	**Pink**	$0.60	$0.15	$0.10
761	**Crimson**	.60	.15	.10
763	**White**	.60	.15	.10
765	**Mixed**	.50	.15	.05
767	**Giant Fancy Varieties.** Mixed colors	1.00	.30	.10
768	**New Giant Rainbow.** Delicate colorings	1.00	.25	.10
769	**Klondyke.** Large golden yellow flowers	1.00	.30	.10
771	**Giant "Lady Lenox."** Colossal flowers; a beautiful shell pink	.75	.20	.10

COLEUS

		Large Pkt.	Pkt.
735	**Large Leaved Hybrids.** Popular bedding plants with beautifully colored foliage; easily grown from seed if kept in warm temperature	$0.65	$0.25

COLUMBINE See **Aquilegia**
CORNFLOWER See **Centaurea**
COWSLIP See **Primula Veris**

CUPHEA (Cigar Plant)

775	**Platycentra.** Interesting bedding plant; the flower is shaped like a hollow cigar; color, scarlet with a black and white tip; 1 foot	.30	.10

CYPERUS (Umbrella Plant)

810	**Alternifolius.** An elegant plant for growing in water or damp places; useful as a pot plant.	.50	.10

CYPRESS VINE (Ipomoea Quamoclit)

A very graceful annual climber, with feathery foliage; and beautiful, star-like flowers.

		Oz.	Pkt.
815	**Scarlet**	$0.30	$0.05
817	**White**	.30	.05
819	**Mixed**	.25	.05

Cyclamen, Michell's Distinctive Giant

CYCLAMEN

MICHELL'S "DISTINCTIVE" GIANT

Grown for us in England by a Specialist who has received numerous First Prizes for the large size and beautiful coloring of the flowers.

		100 Seeds	Pkt.
790	**Duke of Connaught.** Crimson	$1.50	$0.50
792	**Excelsior.** White with red eye	1.50	.50
794	**Grandiflora Alba.** White	1.50	.50
796	**Princess of Wales.** Pink	1.50	.50
798	**Salmon Queen.** Salmon pink	1.50	.50
799	**Mixed.** All colors	1.25	.40

REGULAR GIGANTEUM STRAIN

Grown for us by a Specialist in Germany.

780	**Giganteum Album.** White	1.00	.35
782	" **Roseum.** Pink	1.00	.35
784	" **Rubrum.** Red	1.00	.35
786	" **White** with carmine eye	1.00	.35
788	" **Mixed.** Choicest strain	1.00	.25
801	" **Glory of Wandsbek.** Extra large; salmony red color	1.75	.35

VARIOUS CYCLAMEN

800	**Mrs. Buckston.** Frilled and waved flowers; color delicate salmon. Original pkt.		.75
802	**Papilio** (*Butterfly*). The edges of the flowers are beautifully fringed, or waved; mixed colors.	1.50	.40

		Large pkt.	Pkt.
804	**Persicum.** Choice mixed	$0.40	$0.10
806	**Sutton's Giant.** Choicest mixed. Original pkt.		.75

DAHLIAS FROM SEED

There is no more fascinating flower to raise from seed than the Dahlia, for the result is a series of surprises; seed should be started in the house from February till May and the young plants should not be set outdoors until danger from frost is past.

		Large Pkt.	Pkt.
	DOUBLE FLOWERING VARIETIES		
827	**Cactus, Choice Mixed**	$0.30	$0.10
829	**Large Flowering (Show Type), Mixed**	.30	.10
	SINGLE FLOWERING VARIETIES		
832	**Century.** Immense flowers of splendid form and a great array of colors	3 pkts. 50c.	.20
835	**Giant Perfection.** Straight petals of gigantic length and perfect form; mixed colors	.30	.10
847	**Twentieth Century.** Flowers of immense size with distinct colorings	3 pkts. 40c.	.15
833	**Collarette.** Flowers of various colors, adorned with a collar of small petals around the centre; curious and pretty	.30	.15
851	**Imported Collection, 6 Varieties**		.50

DAISY, ENGLISH DOUBLE (Bellis Perennis)

These are strictly biennials and seed should be sown from June 1st till September, transplanted in the fall and they will flower the following spring. If sown in the spring they will flower in the autumn; 4 inches.

		Large Pkt.	Pkt.
856	**Monstrosa, Pink.** These surpass all strains of this popular plant in growth and in the abundance of extra large, perfectly double flowers	$0.65	$0.25
858	**Monstrosa, White**	.65	.25
857	" **Mixed**	.65	.25
859	**Longfellow.** Large double pink flowers	.40	.10
860	**Snowball.** Purest white; large and double	.40	.10
861	**Double Mixed.** Finest quality	.40	.10

DATURA (Trumpet Flower)

A most ornamental plant growing quite bushy with extra large trumpet-shaped flowers; height, 3 feet.

864	**Cornucopia.** White marbled with purple	$0.15	$0.10
866	**Double Golden.** Golden yellow flowers	.15	.05
868	**Double Mixed.** All colors	.15	.05
862	**Brugmansia.** Tree form, flowers in clusters from two to three hanging downward; color, purest white; height, 5 feet	.40	.15

English Daisy Monstrosa

Don't Fail to read pages 66 to 72 for Valuable Novelties

Delphinium—Belladonna

DELPHINIUM (Hardy Perennial Larkspur)

Highly prepossessing plants of stately appearance; of easiest culture they are readily the most popular of all hardy plants. Their main season of bloom is in June, but if the flower-spike is cut back promptly it will branch and flower all through fall.

		Large pkt.	Pkt.
878	**Kelway's Giant.** A strain recognized the world over as a prize-winner; plants are of strong, vigorous growth, with immense spikes of large flowers; many shades of blue; 5 to 7 feet	$0.50	$0.15
871	**Belladonna.** One of the most continuous blooming varieties; immense spikes of clear turquoise blue; 5 feet	.65	.25
884	**Amos Perry.** Semi-double; rich rosy mauve flushed with sky blue; dark eye	.50	.15
885	**Duke of Connaught.** Rich Oxford blue with a distinct white eye	.50	.15
877	**Formosum.** Deep blue; 5 feet	oz. 75c.	.20	.10
880	" **Coelestinum.** Sky blue	.30	.15
875	**Chinense Grandiflorum.** A dwarf strain with loose branches and sprays of bright blue flowers; 2 feet	oz. 50c.	.15	.05
874	**Chinense Grandiflorum Album.** Pure white flowers	oz. 50c.	.15	.05
873	**Cashmerianum.** Dark blue; 18 inches	.50	.10
876	**Elatum** (*Bee Larkspur*). Rich blue; 4 feet	oz. 75c.	.25	.10
886	**Mme. Violet Geslin.** Semi-double; clear blue, lavender centre, with white eye	.50	.15
879	**Nudicaule.** Bright scarlet; 18 inches	.50	.10
887	**Portia.** Lovely cornflower blue, with dark centre	.50	.15
888	**Queen Wilhelmina.** Large flowers of a soft lavender blue, flushed with rose, white eye	.50	.15
889	**Rembrandt.** Bright sky-blue, inner petals rosy lavender	.50	.15
881	**Zalil.** Sulphur yellow; 4 feet	.50	.10
883	**Hybridum Mixed.** Choicest; 4 feet	oz. 40c.	.15	.05

For Annual Larkspurs, see page 91

Dianthus—Double Annual Pinks

DIANTHUS (Pinks)

A most satisfactory class of flowers, easily raised from seed and which are in constant bloom the entire season; fragrant.

		Large pkt.	Pkt.
	DOUBLE ANNUAL SORTS		
890	**China or Indian Pink.** All colors mixed; oz. 50c.	$0.15	$0.05
892	**Fireball.** Fiery red	.20	.10
894	**Double Fringed.** Large flowers; mixed	.20	.10
896	**Japan Pink.** Most fantastic colors and forms	.20	.10
898	**White.** Fringed flowers	.20	.05
	SINGLE ANNUAL SORTS		
909	**Single Japan Pink.** All colors....oz., 60c.	.20	.05
911	**Nobilis.** The large open single flowers measure three to four inches in diameter and are remarkable for the varied range of extremely bright colorings	.25	.10
915	**Salmon Queen.** Fringed; salmon pink	.20	.10
916	**Imported Collection.** All forms, 12 varieties		.40
	HARDY GARDEN PINKS		
917	**Erfurt.** Of dwarf, compact growth; blooms early; very fragrant; mixed colors	.65	.15
919	**Clove Scented.** Double and semi-double varieties, in beautiful colors; fragrant	.40	.10
920	**Latifolius Atrococcineus** (*Everblooming Hybrid Sweet William*). Double, brilliant red	.25	.10
921	**Pheasant's Eye.** Single white fringed flowers with dark centre....oz. $0.60	.15	.05
923	**Double Scotch.** Choice colors	.40	.15

DICTAMNUS (Gas Plant)

925	**Fraxinella.** Showy bushy plants 2½ feet high, rosy pink flowers, June and July	.15	.05

Digitalis (Foxglove) Gloxiniaeflora

DIGITALIS (Foxglove)

Handsome ornamental hardy plants of stately growth, succeeding almost anywhere. Produces long spikes of beautiful, tubular-shaped flowers; 4 to 5 feet.

		Oz.	Large pkt.	Pkt.
924	**Gloxiniaeflora, Lilac**	$0.75	$0.15	$0.10
927	" **Pink**	.75	.15	.10
928	" **Purple**	.75	.15	.10
929	" **White**	.75	.15	.10
930	" **Mixed**	.60	.15	.05
932	**Monstrosa** (*Mammoth Foxglove*). The tall spikes are surmounted by one monstrous flower all colors mixed....¼ oz. 40c.		.30	.10

DIMORPHOTHECA

926	**Aurantiaca** (*African Orange Daisy*). One of the showiest garden annuals; compact, bushy plants with orange-gold daisy-like blooms on long stems; excellent for cutting	.40	.10
931	**Aurantiaca Hybrids.** A splendid mixture of colors and shades, from white through various shades of yellow, orange, rose, etc	.50	.15
938	**Aurantiaca Hybrida, fl. pl.** Double and semi-double flowers in various colors	.25	

DOLICHOS (Hyacinth Bean)

Rapid growing climber, bearing a profusion of bean-like flowers.

		Oz.	Pkt.
934	**Darkness.** A variety from Japan; rapid grower; flowers reddish violet	$0.25	$0.10
935	**Daylight.** Identical to the above except in color, which is pure white	.25	.10
937	**Choice Mixed**	.15	.05

DRACENA

Large pkt. Pkt.

Ornamental plants for vases or conservatory decoration.

940	**Australis.** Green and red colored leaves....oz. $0.20	$0.10	
942	**Indivisa.** Narrow green leaves....oz. $0.50	.15	.10

ECHINOCYSTIS (Wild Cucumber Vine)

		Oz.	Pkt.
945	**Lobata.** One of the quickest growing vines; excellent for covering trellises, fences, etc.	$0.30	$0.05

Eschscholtzia (California Poppy)

ESCHSCHOLTZIA (California Poppy)

An elegant hardy annual with fine cut foliage, and large, poppy-like flowers; in bloom from June until frost; fine for borders or large beds; 1 foot.

			Large pkt.	Pkt.
951	**Californica.** Pure yellow	oz. 30c.	$0.15	$0.05
955	**Golden West.** Magnificent large deep golden yellow flowers	oz. 40c.	.15	.10
954	**Carmine King.** Beautiful carmine rose on both sides of the petals	oz. 60c.	.20	.10
959	**Orange.** Rich orange yellow	oz. 30c.	.15	.05
963	**White**	oz. 30c.	.15	.05
957	**Mandarin.** Inner side of petals orange, outer petals scarlet	oz. 35c.	.15	.05
961	**Rose Cardinal.** Carmine rose	oz. 40c.	.15	.05
965	**Choice Mixed**	oz. 25c.	.15	.05

EDELWEISS (Gnaphalium)

950 **Leontopodium.** The famous Alpine flower, suitable for rock work, etc.; 6 inches ..... .40 .15

EULALIA (Ornamental Grass) See page 88

EUPATORIUM

A fine hardy perennial, which will grow and thrive in almost any position; blooms the first season from seed if sown early; excellent for cutting; 2 feet.

		Large pkt.	Pkt.
975	**Fraseri.** Feathery white flowers	.20	.10

EUPHORBIA

Plants with ornamental foliage; very showy and easily raised from seed; height, 2 feet.

		Large pkt.	Pkt.
980	**Heterophylla** (*Mexican Fire Plant*). Large glossy green leaves, turning to orange scarlet in midseason	$0.20	$0.10
982	**Variegata** (*Snow on the Mountain*)	oz. 30c. .15	.05

FERNS

Very desirable plants for ferneries.

		Large pkt.	Pkt.
985	**Adiantum** (*Maiden Hair*). Mixed	$0.65	$0.15
989	**Pteris Varieties.** Mixed	.65	.15
991	**All Sorts Mixed.** Choice collection	.65	.15

We can also furnish all other varieties of fern spores.

FEVERFEW (Matricaria)

995 **Double White.** Hardy annual; free flowering; for bedding or pot culture; showy double white flowers; 18 inches ..... oz. 40c. .15 .10

FORGET-ME-NOT See Myosotis

FOUR O'CLOCK See Marvel of Peru

FOXGLOVE See Digitalis

FUCHSIA (Lady's Ear Drop)

		100 Seeds	
1015	**Double and Single Mixed.** Of easy culture...	$0.50	.15

FREESIA

1005 **New Hybrids Mixed.** A valuable novelty, flowering within 8 months from time of sowing... $0.15

Gaillardia, Grandiflora

GAILLARDIA (Blanket Flower)

ANNUAL VARIETIES

A splendid garden flower and excellent for cutting. The large highly colored, daisy-like flowers appear uninterruptedly the entire season on stout erect stems often 15 to 18 inches in length.

			Lge. pkt.	Pkt.
1028	**Picta Mixed.** Single flowers in all colors;	oz. 30c.	$0.15	$0.05
1026	**Picta Lorenziana.** Double mixed.....	oz. 40c	.15	.05

PERENNIAL VARIETIES

1020	**Grandiflora Compacta.** A compact variety; choice mixed colors; 12 to 15 inches		$0.20	$0.10
1022	**Grandiflora Superba.** Splendid mixed, 2 feet;	oz. 50c.	.15	.10
1021	**Grandiflora Sanguinea.** Blood red flowers....		.25	.15
1030	**Sulphurea Oculata.** Sulphur, maroon eye.....		.30	.10
1029	**Semi-Double.** Mixed.....		.30	.10

GENTIANA (Blue Gentian)

1035	**Acaulis.** A dwarf hardy perennial; deep blue flowers; suited to moist, shady situations.....	.20	.10

GERANIUM

These are general favorites, easily grown from seed.

		100 Seeds	Pkt.
1040	**Apple Scented.** Highly esteemed on account of its fern-like, fragrant foliage; 1 foot	$0.40	$0.10
1042	**Pelargonium** (*Lady Washington*). Seed saved from the largest flowered show varieties	1.25	.25
1044	**Zonale Mixed.** A superb strain of the largest and finest varieties; 1 to 2 feet	Lge. pkt. $0.20	.10

GERBERA (Transvaal Daisy)

Splendid greenhouse perennials with large fine-leaved, daisy-like flowers; splendid for pot plants or cutting.

		100 Seeds	Pkt.
1049	**Jamesoni Gigantea.** Extra large flowers of brightest scarlet	$1.25	$0.25
1047	**Jamesoni Hybrida** (*New*). All colors in great variation	1.25	.40

GEUM

		Large pkt.	Pkt.
1051	**Atrosanguineum Fl. Pl.** A beautiful hardy perennial, bearing large, showy flowers all through the summer; fine for bouquets; double, dark crimson flowers; 1½ feet	.25	.10

GLOXINIA

Showy, free-flowering plants for pot culture; producing magnificent flowers of the richest colors; 1 foot.

		Lge. pkt.	Pkt.
1055	**Hybrida Grandiflora.** The best strain in existence, embracing all the choicest self-colored and tigered and spotted flowers	$0.75	$0.25

GODETIA (Satin Flower)

A most attractive bushy little annual plant with bright flowers opening in the morning and closing at evening; very effective in gardens; not serviceable as a cut flower; height, 15 inches.

		Large pkt.	Pkt.
1060	**Gloriosa.** Blood red flower	$0.15	$0.10
1062	**Choice Mixed**	.15	.05

GOLDEN ROD (Solidago Canadensis)

1065	A well-known hardy perennial; deep golden yellow flowers; 2 feet	.15	.05

GOMPHRENA (Globe Amaranth)

Also called "Bachelor's Buttons"; a showy annual everlasting, with button-like flowers, fine for cutting.

		Oz.	Large pkt.	Pkt.
1070	**Nana Compacta.** Dwarf red; 1 foot	$0.30	$0.15	$0.05
1072	**Mixed.** All colors; 2 feet	.25	.15	.05

Ornamental Mixed Gourds

GOURD (Ornamental)

Rapid growing annual climbers for covering arbors, fences, etc., with ornamental foliage and curious shaped fruit.

		Oz.	Pkt.
1075	**Calabash, or Dipper.** Very useful	$0.25	$0.05
1077	**Egg-Shaped.** White like an egg	.25	.05
1079	**Hercules Club.** Club shaped; 4 feet long	.25	.05
1081	**Luffa** (*Dish Rag or Bonnet Gourd*)	.25	.05
1083	**Orange-Shaped** (*Mock Orange*)	.25	.05
1085	**Pear-Shaped.** Striped; very showy	.25	.05
1087	**Serpent.** Striped like a serpent; 5 feet long	.25	.05
1089	**Sugar Trough.** Used as water holders	.25	.05
1091	**Mixed.** In a great variety	.20	.05

GREVILLEA (Silk Oak)

		Lge. pkt.	Pkt.
1095	**Robusta.** A fine decorative plant with fern-like foliage; excellent for table decoration; easily raised from seed	oz. 75c.	$0.20	$0.10

GRASSES, ORNAMENTAL

Few plants are more decorative. The ideal spot for the taller varieties is on the outskirts of a pond. Those with plumy tops are very effective when used as centrepieces for beds of cannas, etc.

ARUNDO (Great Reed)

		Large pkt.	Pkt.
155	**Donax.** Perennial with drooping green and white striped leaves; excellent for lawn clumps; 9 ft.	$0.20	$0.10

AVENA (Animated Oats)

415	**Sterilis.** Long, sensitive awns which expand and contract, causing the seed to rattle in the pod; annual; 18 inches	.15	.05

BRIZA (Quaking Grass)

490	**Maxima.** Elegant panicles; excellent for bouquets and dried flowers; annual; 1 foot	.15	.05

BROMUS

495	**Brizaeformis.** Large drooping panicles, useful for bouquets; 2 feet; annual	.15	.05

COIX LACHRYMAE (Job's Tears)

730	A strong, broad leaved ornamental grass, with large shining, pearly seeds; annual; 2 to 3 feet;	oz. 10c.	.05

EULALIA

970	**Japonica.** A hardy perennial variety, with long, graceful leaves; green and white striped; 4 to 5 feet	.15	.05

GYNERIUM (Pampas Grass)

1100	**Argenteum.** White silvery plumes; perennial; blooms the second season; 8 to 10 feet	.15	.10

HORDEUM JUBATUM (Squirrel Tail Grass)

1166	Bushy panicles; excellent for bouquets; annual; 3 feet	.15	.05

PENNISETUM

1640	**Longistylum.** Graceful greenish-white plumes, fine for beds or dried bouquets; 2 feet; annual	.15	.05
1642	**Ruppelianum** (*Purple Fountain Grass*). Excellent for beds or for dried bouquets; purple plumes; 3 feet; annual	.15	.10

STIPA PENNATA (Feather Grass)

2005	Hardy perennial with silvery-white, feathery plumes; flowers the second season; 2 feet	.15	.05

One packet each of the above 11 varieties of Ornamental Grasses for 60 Cents

For Novelties and Specialties in Flower Seeds, see pages 66 to 72

GYPSOPHILA (Baby's Breath)

Pretty, free-flowering plants of easy culture; excellent for cutting to mix with Sweet Peas; 2 feet.

		Large pkt.	Pkt.
1103	**Elegans Alba Grandiflora.** A hardy annual variety; delicate sprays of pure white flowers	$0.15	$0.05
1105	**Paniculata.** Hardy perennial variety; flowers in graceful sprays of white; will bloom the first season if sown early ..... oz. 40c.	.15	.05
1106	**Paniculata fl. pl.** (*New*). Perennial, with double white flowers		.20

HELENIUM (Sneeze-Wort)

1108	**Autumnale Superbum.** A hardy perennial, succeeding in almost any kind of soil; large heads of golden yellow flowers; 5 to 6 ft.; September	.30	.10

HELIANTHUS See Sunflower

Helichrysum - Straw Flower

HELICHRYSUM (Straw Flower)

		Large pkt.	Pkt.
1110	**Monstrosum.** One of the best everlasting flowers; useful as dried flowers for winter bouquets; double, mixed colors; 2 ft.; oz. 50c.	$0.15	$0.05
1111	**Imported Collection,** 10 varieties		.50

HELIOPSIS (Orange Sunflower)

1112	**Pitcheriana.** A handsome hardy perennial; producing an abundance of deep orange yellow flowers, the entire summer; excellent for cutting; 3 to 4 feet..... oz. 50c.	.15	.10

HELIOTROPE

A well known and highly prized plant on account of the delightful fragrance of the flowers; excellent for pots, or for bedding; 18 inches.

		Large pkt.	Pkt.
1115	**Lemoine's Giant.** Produces a profusion of flowers nearly double the size of the old sort; mixed colors	$0.50	$0.15
1117	**Regal.** Of dwarf compact growth; immense flowers; all shades	.50	.15
1119	**Choice Mixed.** Of many varieties	.25	.10
1121	**Imported Collection.** 6 sorts		.40

HEUCHERA (Alum Root)

1125	**Sanguinea.** Hardy perennial; spikes of vivid crimson flowers; excellent for cutting; 1 ft.	.40	.10

HIBISCUS (Marshmallow)

Showy, ornamental perennial plants, having large sized, beautiful bell-shaped flowers.

1133	**New Giant** (*Mallow Marvel*). Large flower in red, pink, purple and white, mixed	.40	.15
1130	**Crimson Eye.** Large white flowers with crimson centre; 4 feet ..... oz. 60c.	.15	.10
1131	**Moscheutos.** Large, rosy red flowers with dark centre	.15	.05
1132	**Golden Bowl.** Giant yellow, maroon centre.	.20	.10
1134	**Palustris.** Large pink flowers; 3 feet	.20	.05

Chater's Double Hollyhock

HOLLYHOCK

One of the most popular and desirable of hardy perennial plants; excellent for planting among shrubbery or forming a background for other flowers; 6 to 7 feet.

CHATER'S IMPROVED DOUBLE HOLLYHOCK

		Oz.	Large pkt.	Pkt.
1149	**Pink**	$1.25	$0.30	$0.10
1150	**Maroon**	1.25	.30	.10
1151	**Red**	1.25	.30	.10
1153	**Salmon**	1.25	.30	.10
1155	**White**	1.25	.30	.10
1157	**Yellow**	1.25	.30	.10
1159	**Choice Mixed**	1.00	.25	.10
1160	**Single Mixed**	1.00	.20	.10
1161	**Imported Collection.** 6 colors			.40
1163	**Imported Collection.** 12 colors			.75
1146	**Allegheny.** Semi-double; mammoth flowers, edges fringed and laciniated; mixed; oz. $1.00		.25	.10

ANNUAL EVERBLOOMING HOLLYHOCK

While these are also hardy perennial varieties, if seed is sown in the house in March or April they will bloom the first season.

1147	**Double Ever-blooming.** Immensely tall plant with big leaves; colors range from white to deep black, yellow, pink, red, purple; oz. $1.25		.30	.15
1148	**Single Ever-blooming.** Differ from above only in the flowers being single..... oz. $1.00		.25	.10

HONESTY (Moonwort, Satin Flower)

		Large pkt.	Pkt.
1165	Hardy biennial, admired for its silvery seed pods, which are used for ornamental purposes; 2 ft.	$0.15	$0.05

HORDEUM (ORNAMENTAL GRASS) (*See page 88*)

HUMULUS (Japanese Hop)

A rapid growing annual climber with luxuriant foliage.

		Oz.	Pkt.
1170	**Japonicus.** Dense green foliage	$0.40	$0.05
1172	**Variegatus.** Leaves mottled with white	.50	.10

HUNNEMANNIA (Giant Yellow Tulip Poppy)

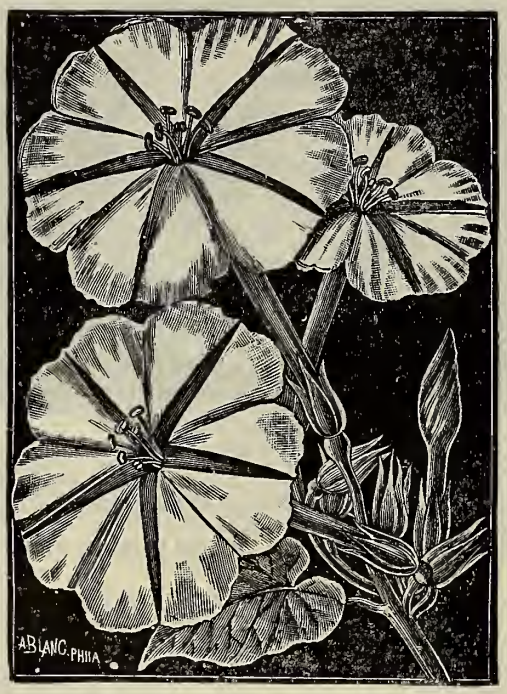
		Large pkt.	Pkt.
1175	**Fumariaefolia.** Sown outdoors in May it produces large quantities of giant yellow tulip-like flowers during end of August, continuing for the balance of the season; the foliage resembles Eschscholtzia; height, 2 feet ..oz. 50c.	.15	.10

HYACINTH BEAN **See Dolichos**

IMPATIENS (Sultan's Balsam)

A charming plant for house and conservatory decoration.

		Large pkt.	Pkt.
1177	**Holstii.** A new variety from Africa, resembling Impatiens Sultani in leaf and shape of bloom, but surpassing it in quicker growth and its larger and brighter colored flowers	$0.65	$0.20
1178	**Holstii, "New Hybrids."** The colors offered in these New Hybrids are beautiful and of many shades	.65	.15
1180	**Sultani.** Brilliant rosy-scarlet	.40	.15
1182	**Sultani Hybrida.** Colors ranging from pale pink to dark crimson	.40	.15



Moonflower (Ipomoea Noctiflora)

IPOMOEA

		Oz.	Pkt.
1185	**Grandiflora Superba.** Flowers sky-blue with a white margin	$0.25	$0.05
1187	**Heavenly Blue.** Large, sky-blue flowers	.75	.10
1189	**Noctiflora** (*Moon Flower*). At night and during dull days the plants are covered with an abundance of large, pure white fragrant flowers	.75	.10
1191	**Setosa** (*Brazilian Morning Glory*). Large leaves and bright rose-colored flowers	.40	.05
1193	**Mixed.** Various colors	.25	.05

Humulus Variegatus (See Opposite)

INCARVILLEA (Hardy Gloxinia)

		Lge. pkt.	Pkt.
1184	**Delavayi.** Deeply cut hairy foliage with stout stalks terminated with 3 to 5 most beautiful pink, gloxinia-like flowers; perennial; May; 15 inches	$0.50	$0.25

IRIS (Flowering Flag)

1194	**Kaempferi** (*Japanese Iris*). Hardy perennial; very showy; blooms the second year from seed; mixed colors	.20	.10

KENILWORTH IVY (Linaria Cymbalaria)

1195	A charming, neat trailing plant, for baskets, vases, pots, etc.; flowers violet	$0.30	$0.05

Kochia Trichophylla

KOCHIA (Summer Cypress or Mexican Fire Bush)

		Lge. pkt.	Pkt.
1198	**Trichophylla.** An easily grown annual, which grows into a cypress-like hedge, with feathery green foliage; at the approach of autumn the foliage turns to a deep red color; 2 to 3 feet	$0.15	$0.10

LANTANA

Most desirable bedding plant; seeds are best germinated in a greenhouse from January till March; flowers resemble Verbenas; plants grow erect and remain in bloom all summer.

1200	**Dwarf Mixed.** 10 inches high, all colors	$0.20	$0.10
1201	**Choice Tall Mixed.** 2 to 3 feet high....oz. 30c.	.15	.10

See page 83 for Morning Glory (Convolvulus)

LARKSPUR (Annual)

Splendid flowers of easy culture; sown in May outdoors they will be in full bloom in July; graceful fern-like foliage and slender spikes 3 feet tall with double rosette flowers; fine for cutting or garden decoration.

GIANT HYACINTH FLOWERED

Tall spikes with double flowers resembling Hyacinths.

		Oz.	Lge. pkt.	Pkt.
1226	**Queen of Pinks.** It is the color which gives this variety a foremost place in any garden; spikes fully 3 feet tall and well branched; color, delicate salmon pink	$1.00	$0.20	$0.10
1222	**Shell Pink**	.50	.15	.05
1223	**White**	.50	.15	.05
1221	**Dark Blue**	.50	.15	.05
1224	**Mixed Colors**	.40	.15	.05

TALL DOUBLE STOCK FLOWERED

Plants branch freely and the flowers resemble double stock; height, 2½ feet.

		Oz.	Large pkt.	Pkt.
1202	**Dark Blue**	$0.50	$0.15	$0.10
1203	**Sky Blue**	.50	.15	.10
1206	**Shell Pink**	.50	.15	.10
1209	**White**	.50	.15	.10
1207	**All Colors Mixed**	.40	.15	.05

DWARF DOUBLE ROCKET

1205	**Mixed.** A compact bushy plant with several dwarf spikes of double flowers; height, 1 foot	.25	.15	.05

For Perennial Larkspur, see Delphinium, page 85

Lathyrus (Everlasting Pea)

LATHYRUS LATIFOLIUS
(Everlasting or Perennial Pea)

Free flowering, resembling Sweet Peas in growth, foliage and flowers; excellent for cutting.

		Oz.	Pkt.
1210	**Crimson.** Brilliant	$0.40	$0.10
1212	**Pink Beauty.** Bright rosy-pink	.50	.10
1214	**White**	.50	.10
1216	**Choice Mixed.** All colors	.40	.05

LAVATERA

		Large Pkt.	
1218	**Splendens Rosea.** A compact shrubby-like annual plant with glossy foliage and bright pink mallow-like flowers; splendid for cutting and decorative work; easily raised from seed	$0.20	$0.10

LAVENDER (Lavendula Vera)

1220	Well-known hardy perennial, bearing long spikes of fragrant blue flowers; 18 inches.....oz. 75c.	.15	.05

Double Stock Flowered Larkspur

LIATRIS (Blazing Star or Gay Feather)

		Lge. pkt.	Pkt.
1227	**Pycnostachia.** Showy and attractive perennial plants, with long spikes of rosy purple flowers; July to September; 3 to 4 feet	$0.50	$0.10

LINARIA

See Kenilworth Ivy

LILY OF THE VALLEY (Convallaria Majalis)

1225	Lovely plants, bearing pure white, fragrant, bell-shaped flowers early in spring	.25	.10

LINUM (Scarlet Flax)

1230	**Grandiflorum Rubrum.** Ideal for bedding; dwarf and compact, with light green foliage and bright scarlet flowers; annual; 1 foot; oz. 25c.	.15	.05

Lobelia. Barnard's Perpetual

LOBELIA

No garden is complete without an edging of blue Lobelia, and for a long season of bloom there is nothing that can take its place; also desirable for pots, hanging baskets, etc.

		Large pkt.	Pkt.
1239	**Crystal Palace Compacta.** Very compact deep blue, the best for edging	$0.40	$0.10
1235	**Barnard's Perpetual.** Deep blue with white eye; trailing	.30	.10
1241	**Crystal Palace Speciosa.** Of trailing habit, deep blue, fine for vases	.20	.05
1254	**Sapphire** (*New*). A beautiful trailing variety; deep blue with white eye		.20
1243	**Double Flowering.** Small double deep blue flowers, resembling little violets	.65	.10
1245	**Emperor William.** Flowers sky blue, plants very compact	.30	.10
1249	**Gracilis.** Of trailing habit, light blue	.20	.05
1255	**White Gem.** Very compact, snow-white flowers	.30	.10
1257	**Mixed.** All colors	.20	.05
1237	**Cardinalis** (*Cardinal Flower*). Tall spikes of bright scarlet flowers, very showy; thrives in moist situations	.50	.10

LOPHOSPERMUM

1260	**Scandens.** An ornamental annual climber, with showy rosy-purple flowers, resembling Fox-gloves in shape; 10 feet	.40	.10

LYCHNIS

Hardy perennial plants of easy culture; most effective in beds or borders.

		Large pkt.	Pkt.
1285	**Chalcedonica** (*Rose Campion*). Fine scarlet cross-like flowers; 2 feet; July...oz. 40c.	$0.15	$0.05
1286	**Flos Cuculi** (*Cuckoo Flower*). Beautiful, bright red, fringed flowers; 2 feet	.30	.10
1287	**Haageana.** Brilliant, large, orange, scarlet, pink, or crimson flowers; mixed; 1 ft.; July	.20	.10

Marvel of Peru (Four O'Clock)

Lupinus

LUPINS

ANNUAL VARIETIES

Free flowering, easily grown plants with long spikes of pea-shaped flowers; excellent for cutting; will bloom in six weeks after sowing; 2 feet.

		Oz.	Pkt.
1268	**Pink Beauty.** Tall spikes of an exquisite shell pink color	$0.50	$0.10
1265	**Blue**	.30	.05
1267	**Pink**	.30	.05
1269	**Red**	.30	.05
1271	**Scarlet, White Tipped**	.30	.05
1273	**White**	.30	.05
1275	**Yellow**	.40	.10
1277	**Mixed, All Colors**	.20	.05

PERENNIAL VARIETIES

Graceful spikes with pea-shaped flowers; thrives best in semi-shaded situations; excellent for cutting; July-August; 3 feet.

		Large pkt.	Pkt.
1278	**Polyphyllus Roseus.** Pink	$0.20	$0.10
1280	" **Blue**	.15	.05
1281	" **White**	.15	.05
1279	**Perennial Mixed** ....oz. 30c.	.15	.05

LYTHRUM

1288	**Roseum Superbum** (*Rose Loose Strife*). A pretty hardy perennial; plants grow 3 feet high and produce spikes of rosy flowers from July to September	.15	.10

MARIGOLD (See Next Page)

MARVEL OF PERU (Four O'clocks)

		Oz.	Pkt.
1315	**Choice Mixed.** Bushy plants of easy culture, producing hundreds of flowers during the entire summer; very showy in the garden; 2 feet	$0.15	$0.05

MAURANDIA

A beautiful climber of rapid growth for baskets, vases and trellises; produces an abundance of tube-shaped flowers; 10 ft.

		Large pkt.	Pkt.
1320	**Barclayana.** Purple	$0.25	$0.10
1326	**Choice Mixed**	.25	10

Marigold—El Dorado

MARIGOLD (Tagetes)

Popular free-blooming garden plants of easiest possible culture.

AFRICAN VARIETIES

These are mostly of tall growth, from 2½ to 3 feet high.

		Large pkt.	Pkt.
1296	**El Dorado.** Imbricated flowers of immense size in all shades of yellow ..... oz. 40c.	$0.15	$0.05
1307	**Orange Prince.** Flowers very large, of a deep orange color ..... oz. 75c.	.20	.10
1303	**Lemon Queen.** Soft lemon yellow..... oz. 75c.	.20	.10
1308	**Pride of the Garden.** Dwarf, 18 inches, golden yellow ..... oz. 60c.	.20	.10
1300	**Large African.** Tall double mixed..... oz. 30c.	.15	.05
1311	**Imported Collection, 6 Varieties**	.25	

FRENCH VARIETIES

Of compact dwarf growth with velvety flowers.

		Large pkt.	Pkt.
1290	**Double Pulchra.** Rich golden yellow with deep velvety brown centre; 1 foot..... oz. 30c.	$0.15	$0.05
1294	**Dwarf Gold Striped.** Double, brownish red striped golden yellow; 1 foot ..... oz. 40c.	.15	.10
1302	**Legion of Honor** (*Little Brownie*). Single flowers of golden yellow with a large spot of crimson velvet; 6 inches ..... oz. 35c.	.15	.05
1306	**Liliput.** Dwarf; excellent for pots; small double flowers; mixed colors; 4 inches ..... oz. 60c.	.20	.10
1292	**Dwarf French Mixed.** All colors..... oz. 30c.	.15	.05
1310	**Imported Collection, 6 Varieties**	.25	

MARVEL OF PERU. (See page 92.)

MATTHIOLA

1318	**Bicornis** (*Evening Scented Stock*). A desirable annual, on account of its delightful fragrance during the evening; color, purplish lilac.....	.15	.05

MAURANDIA. (See page 92.)

MESEMBRYANTHEUM

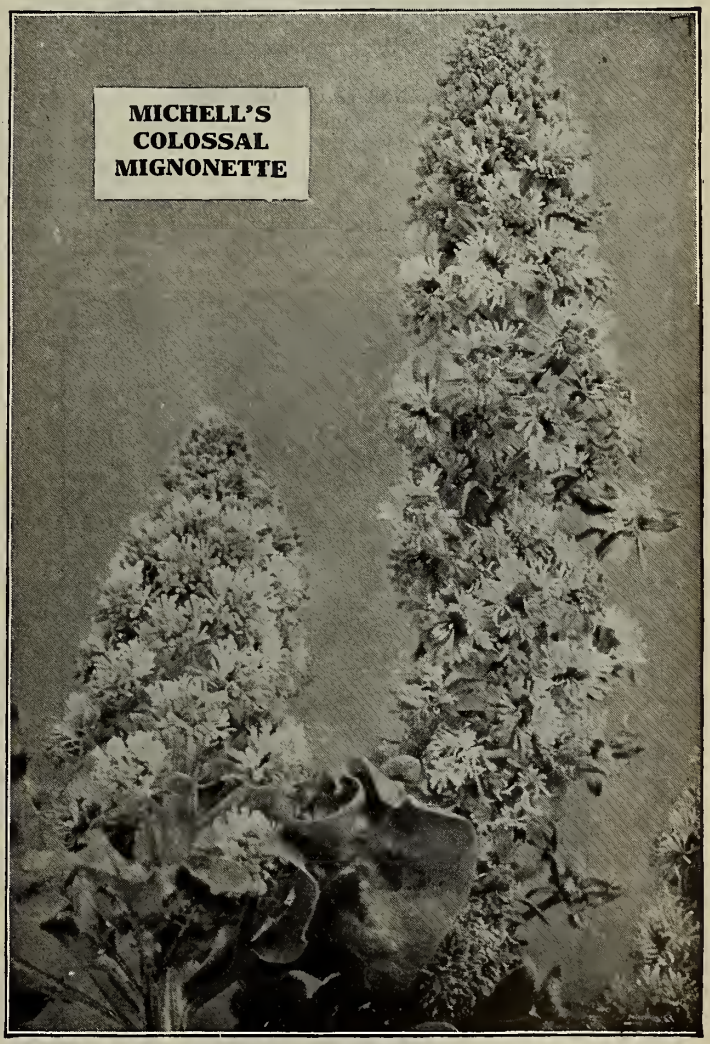
Dwarf trailing annuals for rockeries, edgings and vases.

		Large pkt.	Pkt.
1330	**Cordifolium Variegatum.** Variegated foliage; rose-colored flowers	$0.30	$0.10
1331	**Crystallinum** (*Ice Plant*). Singular icy foliage; flowers white	.15	.05
1332	**Tricolor** (*Wax Plant*). Various colors.....	.15	.05

MIGNONETTE

Valuable for cutting on account of its fragrance; sow in succession during the whole summer; may also be forced in greenhouses during winter.

		Large Pkt.	Pkt.
1356	**Michell's Colossal.** Foliage, stalks and flowers are very robust. The flower-spikes often average 18 inches; extremely fragrant.....	$0.50	$0.15
1340	**Allen's Defiance.** Spikes invariably attain a height of 12 to 15 inches; fragrant; oz. 60c.	.20	.10
1354	**Hoehl's Giant Flowering.** Very large.....	.65	.15
1345	**Bismarck.** Compact plant of strong growth, stout spikes of large flowers	.25	.10
1355	**Machet.** Large reddish tinted, sweet scented flowers ..... oz. 50c.	.15	.10
1349	**Golden Machet.** Large golden flowers; oz. 50c.	.15	.10
1352	**Goliath.** Giant spikes of brilliant red flowers..	.20	.10
1363	**Sutton's Giant.** Reddish buff, original pkts. ..		.30
1357	**Miles' Spiral.** Flowers whitish ..... oz. 25c.	.15	.05
1359	**Parson's White.** Large fragrant white flowers; oz. 35c.	.15	.05
1365	**Sweet Scented.** The popular garden sort; oz. 15c.		.05
1367	**Imported Collection, 10 Varieties**		.50



MIMULUS

Showy profuse flowering plants; fine for greenhouse or moist shady situations; half-hardy perennials, blooming the first year if sown early.

		Large pkt.	Pkt.
1370	**Moschatus** (*Musk Plant*). Fine for hanging baskets; yellow flowers, fragrant foliage; 6 inches	$0.30	$0.05
1374	**Tigrinus** (*Monkey Flower*). Fine mixed tigered and spotted varieties; 1 foot	.30	.05

MINA

1380	**Lobata.** Half hardy annual climber, of rapid growth, bearing racemes of flowers the buds of which are orange red, but open orange yellow, and afterwards turn to creamy white	.30	.10

MONARDA (Bergamot)

1382	**Didyma.** Tall plants crowned with whorls of salvia-like, deep scarlet flowers; very showy and attractive; 4 feet; July-August	.65	.15

MYOSOTIS (Forget-Me-Not)

BIENNIAL VARIETIES

Although biennials these flower the first year from seed. Sown in spring they flower in the fall; if wanted for spring flowering sow in July and transplant in the fall; 1 foot.

		Large pkt.	Pkt.
1391	**Alpestris Victoria.** Of bushy habit; bearing large bright blue flowers; very fine; 6 in.	$0.30	$0.10
1395	**Eliza Fanrobert.** Large flowering, bright blue	.20	.10
1399	**Grandiflora Alba.** Large white flowers; 6 in.	.25	.10
1400	**Grandiflora Rosea.** Large pink flowers; 6 in.	.25	.10
1401	**Palustris.** The true Forget-Me-Not; bright blue flowers; 6 in.	.40	.10
1405	**Royal Blue.** This variety belongs to the upright pillar-shaped section; large deep blue	.40	.10
1406	**Ruth Fischer.** Plant of neat, compact habit with light blue flowers; splendid for pots	.65	.25
1407	**Choice Mixed** ..... oz. 75c.	.20	.05

PERENNIAL VARIETIES

These differ from the biennial by reappearing each year in heavier plants and more numerous flowers; 8 inches; all summer.

		Large pkt.	Pkt.
1393	**Dissitiflora.** Deep green foliage and attractive deep blue flowers	$0.40	$0.10
1403	**Palustris Semperflorens.** Dwarf; blooms the entire season; deep blue	.30	.10

Nigella—Miss Jekyll

MOON FLOWER See Ipomoea

MORNING GLORY See Convolvulus

MUSA ENSETE (Abyssinian Banana)

1385 A handsome tropical plant for planting individually or for the centre of beds; foliage broad and massive and very effective; 10 to 15 feet. Seeds should be started in wet moss placed over heat. Per 10 seeds, 25c.

NASTURTIUM *See pages 103 and 104*

NEMOPHILA (Love Grove)

		Large pkt.	Pkt.
1500	**Mixed.** Free-flowering annual, of dwarf, compact habit, with a profusion of cup-shaped flowers; thrives best in a cool, shady situation; 1 foot	$0.15	$0.05

Nicotiana (Flowering Tobacco)

NICOTIANA (Flowering Tobacco)

Extremely showy annual plants with graceful, slender, tall stems and fragrant flowers; height, 3 feet.

		Large pkt.	Pkt.
1505	**Affinis.** Fragrant, tube-shaped, pure white flowers	$0.15	$0.05
1506	**Affinis Hybrida.** Large flowered, sweet scented hybrids; colors range through creamy white and rose tints to bright red and crimson.	.20	.10
1508	**Sanderae.** A new variety of great merit, growing about 2 feet high; flowers of the most handsome carmine-red color; very fragrant	.20	.10
1509	**Sylvestris.** A very ornamental variety with deep green leaves, and large, pure white fragrant, drooping flowers; 4 feet	.15	.10

NIEREMBERGIA

1513	**Frutescens.** Half hardy perennial; excellent for greenhouse, baskets, vases, or bedding out; flowers white tinted with lilac; 1 foot	.20	.10

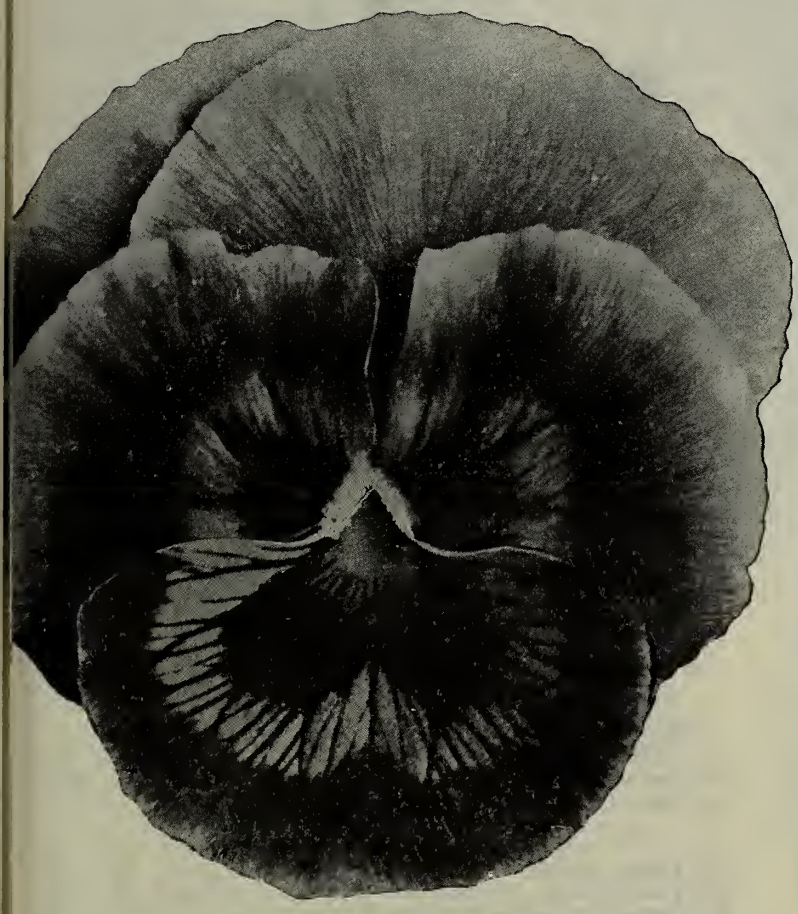
NIGELLA (Love in a Mist)

1515	**Damascena.** Showy hardy annual with finely cut foliage and centaurea-like flowers, blue and white mixed; 1 foot	.15	.05
1517	**Miss Jekyll.** A lovely variety, bearing a profusion of beautiful flowers of corn-flower blue; excellent for cutting; 18 inches	.15	.10

OENOTHERA (Evening Primrose)

1525	**Mixed.** Beautiful annual of easy culture, with brightly colored flowers	.15	.05

MICHELL'S GIANT PANSIES



Michell's Giant Exhibition Pansy

Strictly considered, this is a biennial, but the fact that it flowers the first season from seed recommends it for an annual. There are actually three seasons in which pansies can be planted. If started in the house from February till April pansies will begin to bloom from July on; sown outdoors in May beautiful flowers are produced in the fall; sown in frames during July and August and transplanted later gives us the main crop of flowers the following spring. Pansies thrive best in moist semi-shady situations.

PANSIES IN MIXTURES

		Large pkt.	Pkt.
1595	**Michell's Giant Exhibition.** A blending of our own containing only the very choicest the specialists in Europe have to offer; it can be relied upon to produce flowers of immense size, very heavy texture and of the most brilliant colors. Per oz., $6.00; ⅛ oz., $1.00.	$0.65	$0.25
1608	**Triumph of the Giant.** Immense flowers of great brilliancy and richness of coloring, including many new and rare shades. Per oz., $8.00; $2.25 per ¼ oz.	.75	.50
1597	**Bugnot, Odier and Cassier.** A superb mixture of giant blotched varieties.....⅛ oz. $1.00	.65	.25
1599	**Giant Trimardeau.** Very large flowering; all colors mixed .....¼ oz. $0.50	.40	.10
1600	**Mad. Perret.** Early flowering, fragrant, especially rich in red shades.....¼ oz. $1.25	.65	.25
1601	**Masterpiece** (*Frilled Pansy*). Flowers beautifully curled or waved.....¼ oz. $1.50	.65	.25
1605	**Odier or Blotched.** Beautiful strain. ¼ oz. $1.25	.65	.15
1607	**Parisian Large Stained.** Choicest colors. ¼ oz. $0.75	.50	.15
1609	**Finest English Mixed** .....oz. $1.50	.30	.10
1611	**Very Fine Mixed** .....oz. .75	.20	.05
1613	**Imported Collection.** 6 colors.....		.40
1614	**Imported Collection.** 12 colors.....		.75

MICHELL'S GIANT PANSIES
SEPARATE COLORS

A strain secured from the leading Pansy specialists, and not to be compared with the ordinary Giant Trimardeau, as the flowers are of much heavier texture.

		¼ Oz.	Large pkt.	Pkt.
1535	**Giant Prize Azure Blue.** Violet blue.	$1.00	$0.50	$0.15
1537	" " **Black Blue.** Dark velvety	1.00	.50	.15
1539	" " **Emperor William.** Ultramarine blue	1.00	.50	.15
1541	" " **Hortensia Red.** Scarlet.	1.25	.50	.15
1543	" " **King of the Blacks.** Black	1.00	.50	.15
1545	" " **Lord Beaconsfield.** Violet	1.00	.50	.15
1549	" " **Peacock.** Upper petals blue, lower petals deep claret; white margin..	1.25	.50	.15
1551	" " **Snow Queen.** Pure white	1.00	.50	.15
1553	" " **Striped and Mottled** ...	1.00	.50	.15
1557	" " **White** with dark eye....	1.00	.50	.15
1559	" " **Pure Yellow**	1.00	.50	.15
1561	" " **Yellow** with dark eye...	1.00	.50	.15

SPECIAL OFFER. We will send 6 packets of any of the above varieties of Giant Pansies for 75c.; or the entire 12 pkts. for $1.40.

PANSIES—Regular Sorts in Separate Colors

		Oz.	Large pkt.	Pkt.
1565	**Belgian Striped.** Showy.....	$1.50	$0.30	$0.10
1567	**Emperor William.** Ultramarine blue.	1.50	.30	.10
1569	**Faust** (*King of the Blacks*). Almost black	1.50	.30	.10
1571	**Gold Margined.** Purple, golden edge	1.50	.30	.10
1573	**Havana Brown**	1.50	.30	.10
1575	**Lord Beaconsfield.** Violet	1.50	.30	.10
1577	**Mahogany Colored**	1.50	.30	.10
1579	**Silver Edged.** Purple, silver edge..	1.50	.30	.10
1581	**Snow Queen.** Pure white.....	1.50	.30	.10
1583	**White** with dark eye.....	1.50	.30	.10
1585	**Yellow Gem.** Pure yellow	1.50	.30	.10
1587	**Yellow** with dark eye.....	1.50	.30	.10

SPECIAL OFFER. We will send 6 packets of any of the above varieties of regular sorts of Pansies for 50c.; or the entire 12 packets for 90c.

PAEONY

		Large pkt.	Pkt.
1534	**Mixed.** Hardy herbaceous plants with flowers of various colors; will bloom the third year from seed; double and semi-double..	$0.30	$0.10

PARIS DAISY. **See Chrysanthemum**

PASSIFLORA (Passion Flower)

1630	**Mixed.** Ornamental climbing plants for the green house or the garden, producing showy flowers in profusion.....	.25	.10

PENNISETUM, ORNAMENTAL GRASS. (See page 88.)

PAPAVER. **See Poppy.**

PENTSTEMON (Beard Tongue)

A beautiful perennial plant producing large spikes of handsome flowers.

		Large pkt.	Pkt.
1643	**Barbatus Torreyi.** Spikes of brilliant coral red, very effective; June to August; 3 to 4 feet	$0.15	$0.10
1646	**Digitalis.** Spikes of white flowers, with purple throat; July and August.....	.15	.10
1647	**Hartwegi Albus** (*New*). Large, open throated, gloxinia-like blooms, clear white, 2½ feet. Original pkt.		.25
1644	**Sensation.** Plants producing large spikes of gloxinia-like flowers of the most brilliant and varied colors; will bloom the first season if sown early; 2 feet; requires protection	.40	.15
1645	**Mixed.** Producing large spikes of handsome flowers; 3 feet	.15	.05

PETUNIA

There is no more deserving flower than the Petunia. Quick to bloom in the early summer, it gives us a bright display long after the first frost has wrought its damage; seeds must be carefully handled as they are extremely fine but the plants are of easiest culture.

SINGLE FLOWERED PETUNIAS

		Large pkt.	Pkt.
1657	**California Giants.** One of the largest varieties; bright and desirable colors; strong robust plants.....	$0.65	$0.25
1665	**Grandiflora Fringed.** Each petal of these giant flowers is delicately fringed and thus gives the flower a distinct appearance; all colors..	.65	.20
1669	**Ruffled Giants.** Immense large flowers, exquisitely ruffled and frilled.	.65	.25
1666	**Monstrosus** (*Michell*). Extra large flowers, many of which are elegantly fringed; superb colors.....	.75	.25
1664	**Dwarf Large Flowering Fringed** (*New*). Compact plants with large fringed flowers of many colors and shades. Orig. pkt.....		.30
1674	**Undine** (*New*). Color, azure blue with lilac margin. Orig. pkt.....		.25
1655	**Adonis.** Rosy carmine with white throat	.40	.10
1663	**Dwarf Inimitable.** Of dwarf, compact habit; profuse bloomer; flowers striped	.40	.10
1662	**Enchantress** (see illustration). A new dwarf variety, almost covered with flowers from early summer until killed by frost; the flowers are of many shades and colors....	.40	.10
1672	**Pepita.** Fringed flowers of deep scarlet with a white border.....	.65	.25
1668	**Rosy Morn.** Dwarf, bushy plants bearing in great profusion brilliant rose-colored flowers with a white throat; excellent for pot culture..	.40	.15

Petunia—Grandiflora Fringed

		Large pkt.	Pkt.
1671	**Snowball.** Compact habit; flowers pure white.	$0.40	$0.10
1673	**Star** (*Howard's*). A beautiful variety; produces a profusion of crimson-maroon flowers, with a distinct five-pointed white star.	.40	.15
1675	**Choice Mixed.** Striped and blotched; oz., $1.00	.30	.10
1677	**Fine Mixed.** All colors.....oz., $0.75	.20	.05
1679	**Imported Collection.** Single fringed, 6 varieties		.50
1680	**Imported Collection.** Single fringed, 12 varieties		1.00

DOUBLE FLOWERING PETUNIAS

As the seed of the double varieties is obtained by hybridization, it will not produce all double flowers, but the singles will be unusually fine. The weaker seedlings should receive great care, as they produce the finest double flowers.

		Lge. Pkt.	Pkt.
1659	**Double Fringed White.** Extra large, pure white, fringed flowers $0.75		$0.25
1661	**Double Fringed Mixed.** Selected and hybridized with the greatest care; flowers of large size, beautifully fringed and of choicest colors. Per 500 seeds, $1.00.....		.25
1682	**Imported Collection.** Double fringed, 6 varieties...		.75

Double Fringed Petunia

Ask for Cultural Leaflet No. 205 on the Growing of Petunias

Petunia—Enchantress

Phlox Drummondii, Dwarf "Cecily" Strain

PHLOX DRUMMONDII

One of our finest hardy annuals, on account of its long season in bloom; easily grown from seed; makes a brilliant display as a summer bedding plant.

DWARF GROWING VARIETIES

Excellent for bedding or edging, growing about 8 inches high and very compact.

		Lge. pkt.	Pkt.
1688	**Cecily, Mixed.** Large flowering, dwarf compact variety, of many beautiful colors and shades	$0.40	$0.10
1690	**Crimson with White Eye**	.30	.10
1692	**Deep Scarlet**	.30	.10
1693	**Fair Maid.** Soft pink	.30	.10
1694	**Fireball.** Brilliant scarlet	.30	.10
1696	**Pink**	.30	.10
1700	**Snowball.** Pure white	.30	.10
1702	**Violet with White Eye**	.30	.10
1704	**Choice Mixed** ¼ oz. 50c.	.30	.10

TALL GROWING VARIETIES

Plants grow 12 to 15 inches tall; are excellent for groups and cutting; flowers of large size.

MICHELL'S "GRANDIFLORA" STRAIN

		Large pkt.	Pkt.
1710	**Alba.** Pure white	$0.30	$0.10
1712	**Coccinea.** Brilliant scarlet	.30	.10
1714	**Pink**	.30	.10
1716	**Stellata Splendens.** Scarlet with white eye	.30	.10
1720	**Choice Mixed.** All colors oz. 75c.	.25	.10
1721	**Imported Collection,** 12 varieties		.75

VARIOUS PHLOXES

		Lge. pkt.	Pkt.
1722	**Fine Mixed.** Free flowering; all colors; oz. 60c.	$0.20	$0.05
1723	**Double Mixed.** Flowers with several rows of petals; fine for cutting	.30	.10
1729	**Star of Quedlinburg.** Beautiful star-shaped flowers of various colors, with long pointed petals	.25	.10

PERILLA

		Large pkt.	Pkt.
1650	**Nankinensis.** Ornamental annual plants with dark purple foliage; 2 feet	$0.15	$0.05

PHYSOSTEGIA (False Dragon Head)

A pretty hardy perennial, bearing freely, delicate tubular flowers; 3 to 4 feet; July-August.

		Large pkt.	Pkt.
1732	**Virginica.** Pink	$0.20	$0.10
1733	" **Alba.** White	.30	.10

PINKS See Carnations and Dianthus

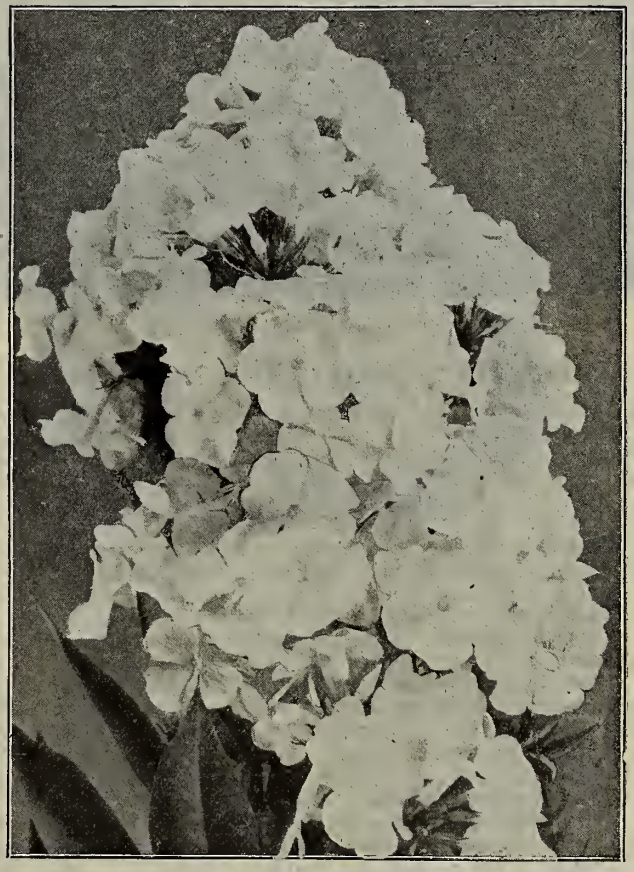
PLATYCODON (Chinese Bell Flower)

		Lge. pkt.	Pkt.
1735	**Grandiflorum, Blue.** A hardy perennial bearing a profusion of large bell-shaped flowers the whole season; 2 to 3 feet	$0.15	$0.05
1736	**Grandiflorum, White**	.15	.05
1737	**Japonicus Fl. Pl.** (*Double Japanese Bell Flower*). Large glossy, deep blue flowers	.40	.15

POLYANTHUS (Primula Elatior)

Beautiful spring flowering hardy perennials, either for pot culture or for garden; succeeds best in partial shade; 9 in.

		Lge. pkt.	Pkt.
1738	**Gold Laced.** Flowers of brilliant colors, with distinct yellow edge	$0.50	$0.15
1740	**Double Mixed.** Beautiful colors	.65	.15
1741	**English Mixed.** The best single	.30	.10



Hardy Phlox

HARDY PHLOX

		Large pkt.	Pkt.
1725	**Decussata.** For a gorgeous show these are the most satisfactory of all perennials; plants 2 feet high; flowers in all bright colors; seed should be sown early in spring or as soon as gathered in the autumn; mixed colors ¼ oz. 50c.	$0.30	$0.10

FOR HARDY PHLOX PLANTS
See pages 138 and 151.

Shirley Poppies

MICHELL'S BRILLIANT POPPIES

One of our favorite and most popular flowers, producing, during the blooming period, a profusion of brilliant colors and shades. Seeds should be sown where they are to remain, as they do not stand transplanting.

SINGLE POPPIES

		Oz.	Pkt.
1773	**Michell's Shirley.** An improved strain of this lovely race of poppies, varying in color from pure white and delicate pink to rosy carmine and deep crimson, in mixture. A bed of these poppies produces a gorgeous effect	.40	.05
1764	**Admiral.** Large flower of pure white with broad band of scarlet at edge of each petal	.50	.10
1765	**Danebrog.** Flowers brilliant scarlet with a silvery-white spot on each petal; 2 feet	.25	.05
1769	**Maid of the Mist.** Large white flowers beautifully fringed; 3 to 4 feet	.30	.10
1771	**Miss Sherwood.** Satiny white with upper half of corolla chamois rose	.40	.10
1775	**Tulip.** A beautiful poppy, resembling a large tulip; color a dazzling scarlet; 1 foot	.60	.10
1777	**Umbrosum.** Rich vermilion with a deep shining black spot on each petal; 2 feet	.25	.05
1767	**King Edward.** Deep scarlet, shaded crimson	.50	.15

DOUBLE POPPIES

Deep massive heavy flowers on long erect stout stems; splendid for cutting while in bud.

		Oz.	Pkt.
1743	**Carnation Flowered.** Double fringed, mixed	$0.20	$0.05
1745	**Crimson King.** Flowers perfectly round, crimson; 2 feet	.25	.05
1747	**Fairy Blush.** Flowers white, elegantly fringed and tipped with rose; 2 feet	.25	.05

DOUBLE POPPIES (Continued)

		Oz.	Pkt.
1751	**Mikado** (*Striped Japanese*). Double fringed flowers, white striped with crimson; 18 inches	.25	.05
1753	**Paeony Flowered White**	.25	.05
1755	**Paeony Flowered Yellow.** Very fine	.25	.05
1752	**Paeony Flowered Scarlet**	.25	.05
1757	**Paeony Flowered Mixed.** Immense double flowers resembling a Pæony; 2 feet	.20	.05
1759	**Double Shirley.** Double large flowers, mixed	.25	.05
1763	**Imported Collection.** Double Pæony flowered; 6 varieties		.25

PERENNIAL POPPIES

		Lge. pkt.	Pkt.
1782	**Giant Scarlet** (*Bracteatum*). Large flowers	$0.15	$0.10
1784	**Iceland, Single Mixed.** Colors range from white and yellow to deep orange scarlet; useful for cutting; 12 ins.	.20	.10
1783	**Iceland, White**	.20	.10
1785	**Iceland, Yellow**	.20	.10
1786	**Iceland, Double Mixed.** 1 foot	.30	.10
1787	**Orientale.** Extra large flowers; deep scarlet	.25	.10
1791	" **Mrs. Perry.** Rich, salmon pink	.40	.10
1789	" **Parkmanni.** Deep crimson	.40	.10
1792	" **Psyche.** Delicate rosy blush	.40	.10
1793	" **Trilby.** Brilliant red	.40	.10
1788	" **Hybrids.** Beautiful flowers of large size; many colors mixed	.30	.10
1790	**Imported Collection.** Perennial poppies, 8 varieties		.40

Single Portulaca

PORTULACA

Dwarf-growing plants of easy culture; thriving best in a light, sandy soil and a sunny situation; flowers of the brightest colors;

		Large pkt.	Pkt.
1795	**Double Mixed.** All colors ¼ oz.,	$0.50	$0.30	$0.10
1797	**Single Mixed.** All colors oz.,	.35	.15	.05
1799	**Imported Collection.** 8 Double varieties			.50
1800	**Imported Collection.** 8 Single varieties			.25

Michell's Prize Chinese Primula

PRIMULA

FRINGED CHINESE PRIMROSE

Our strains are unsurpassed and have won many first prizes.

		Large pkt.	Pkt.
1819	**Michell's Prize Mixture.** This mixture contains only the very finest sorts selected from the best strains	$0.75	$0.25
1808	**Duchess.** Large; white with zone of rosy carmine, yellow eye	.75	.40
1805	**Alba Magnifica.** White flowers with yellow eye	.75	.40
1806	**Chiswick Red.** Brilliant red	.75	.40
1807	**Holborn Blue.** A beautiful shade	.75	.40
1809	**Kermesina Splendens.** Crimson	.75	.40
1811	**Rosy Morn.** Delicate pink	.75	.40
1813	**Stellata** (*Sutton's*). Excellent pot plant; mixed. Per original pkt.		.75
1815	**Fern Leaved.** Choicest mixed colors	.75	.25
1825	**Imported Collection.** 8 varieties		.75

PRIMULA OBCONICA GIGANTEA

A great improvement over the old type; flowers much larger, and produced in greater abundance.

		Large pkt.	Pkt.
1831	**Lilacina.** Pale lilac	$0.65	$0.20
1826	**Rosea.** Pink	.65	.20
1827	**Kermesina.** Crimson	.65	.20
1835	**Alba.** White	.65	.20
1829	**Hybrida Mixed**	.65	.20

PRIMULA OBCONICA GRANDIFLORA

1828	**Compacta.** Dwarf, compact plants with dense heads of large rosy lilac flowers	.65	.25
1830	**Fimbriata.** Flowers fringed; mixed colors	.65	.15
1837	**Vesuvius.** Deep crimson	.65	.25
1833	**Crispa** (*New*). Large flowers, which are crisped or curled, making them very attractive; color, from apple blossom pink to rose	.65	.20

PRIMULA—(*Continued*)

VARIOUS SORTS

		Large pkt.	Pkt.
1845	**Primula Kewensis** (*Verbena Scented Yellow Primrose*). Spikes each 12 to 18 inches long, and bearing four to six whorls of bloom; color, soft yellow	$0.65	$0.25
1839	**Buttercup** (*New*). Yellow flowers; fine for pots	.65	.25
1844	**Forbesi** (*Baby Primrose*). Small flowers; fine for pots; color, rosy lilac	.65	.15
1842	**Malacoides.** Resembles Primula Forbesi, but the flowers are much larger; if grown in a greenhouse it will bloom in four to five months after sowing; color, a pretty light lilac		.25
1843	**Malacoides Alba.** Flowers pure white		.25

HARDY PRIMROSES

1840	**Cortusoides Sieboldii.** Hardy perennial variety; should have slight protection during the winter; also fine for pots; mixed colors	.65	.15
1846	**Veris** (*English Cowslip*). Hardy perennial; fragrant; mixed	.20	.10
1848	**Vulgaris** (*English Primrose*). The common hardy English variety; canary yellow	.40	.10

PUERARIA THUNBERGIANA (Kudzu Vine)

1855	One of the fastest growing hardy climbing plants; grows 8 to 10 feet the first year from seed; after the first year it will grow 30 to 50 feet in a season; rosy purple pea-shaped blossoms	.25	.10

Pyrethrum "Aureum"

PYRETHRUM

FOLIAGE SORTS FOR BEDDING

Foliage plants used for edging of ornamental beds; leaves are finely cut and of a golden yellow color.

		Large pkt.	Pkt.
1860	**Aureum** (*Golden Feather*). Bright golden foliage; 8 inches ... oz. 50c.	$0.15	$0.10
1864	**Selaginoides.** Leaves very finely cut	.20	.10

FLOWERING SORTS

Hardy perennials; fine for borders; very desirable for cutting.

		Lge. pkt.	Pkt.
1862	**Roseum.** Flowers bright rose color; July; 2 feet	$0.25	$0.10
1866	**Uliginosum.** Large, single white flowers; September; 3 to 4 feet	.30	.10
1868	**Hybridum Single Mixed.** Large flowers ranging in color from light pink to deep red, with bright yellow centres; July; 2 feet	.20	.10
1869	**Hybridum Double Mixed**	.65	.25

RHODANTHE (Everlasting Flower)

1875	A beautiful annual, for the garden or for pot culture; mixed colors; 1 foot	.20	.05

Ask for Cultural Leaflet No. 206 on the Growing of Primula, Free

RICINUS (Castor Oil Bean)

These ornamental plants are used with great effect on lawns, as centrepieces in flowering beds such as cannas, etc.

		Oz.	Pkt.
1885	**Michell's Giant.** A new hybrid of gigantic dimensions; the stem and stalks are covered with a blue bloom; leaves dark brown and measure 2 to 2½ feet in diameter	$0.50	$0.10
1880	**Borboniensis.** Beautiful green foliage; 15 feet	.15	.05
1882	**Cambodgensis.** Large leaves, dark bronzy-maroon; stalk and stems nearly black; 5 feet..	.20	.05
1884	**Gibsoni.** Deep red foliage; 5 feet	.15	.05
1886	**Philippiensis.** Gigantic purple foliage; 10 feet	.15	.05
1888	**Sanguineus.** Blood-red stalks and clusters of red fruit; 8 feet	.15	.05
1890	**Zanzibariensis.** Enormous leaves varying in color from light green to purplish red; 12 feet	.15	.05
1891	**Mixed.** All sorts	.15	.05

SAINTPAULIA (African Violet)

1910	**Ionantha.** Beautiful greenhouse plants, bearing a profusion of flowers resembling the violet...	.25

SALPIGLOSSIS (Painted Tongue)

Easy growing annual plants with large funnel-shaped flowers, beautifully tinted and veined in rich shades; blooms from early summer until late fall; 18 inches.

GRANDIFLORA

		Large pkt.	Pkt.
1912	**Black, Yellow Veined**	$0.30	$0.10
1914	**Carmine**	.30	.10
1916	**Crimson**	.30	.10
1918	**Pink**	.30	.10
1919	**Our Collection.** One packet each of above 4 colors, 35c.		
1920	**Choice Mixed.** A fine mixture	.25	.05
1924	**Imported Collection.** 6 large flowering varieties...		.30

EMPEROR

A new type having only one main stem, and bearing on its summit a large number of beautiful flowers, each one richly veined with gold, and of immense size.

		Large pkt.	Pkt.
1922	**Choice Mixed**	$0.40	$0.10

RUDBECKIA (Coneflower)

Tall growing plants, flowering profusely all summer.

		Lge. pkt.	Pkt.
1900	**Bicolor Superba.** Yellow flowers with brown disc in centre; annual; 2 feet	$0.15	$0.10
1902	**Newmani.** Large yellow flowers with black centre; perennial; 3 feet; all summer	.40	.10
1904	**Purpurea** (*Giant Purple Cone Flower*). Hardy perennial; showy reddish purple flowers, with dark brown disc; 3 feet	.20	.10

Salvia, Michell's Scarlet Glow

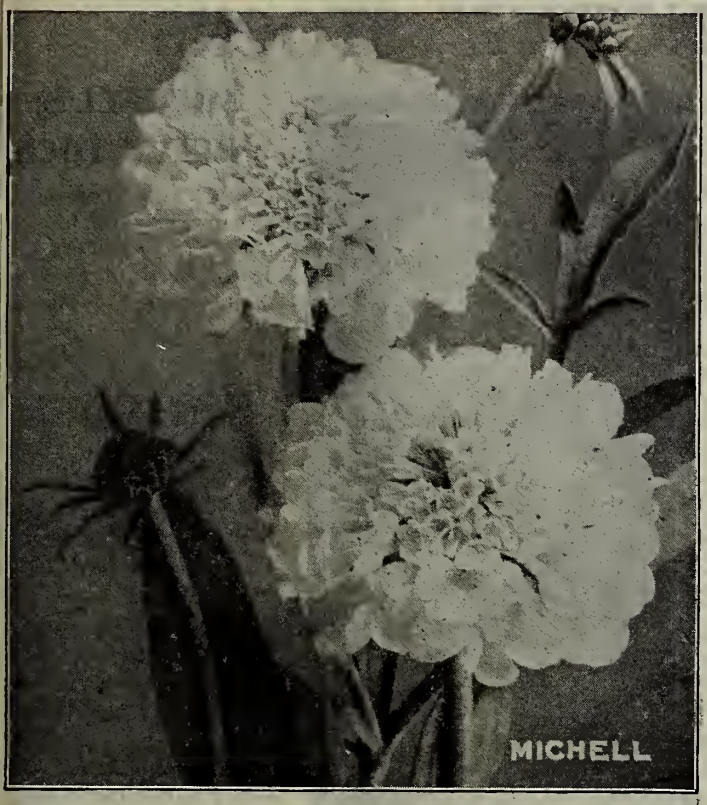
SALVIA (Scarlet Sage)

This popular bedding plant is impossible to be replaced. There is nothing more effective in the fall or mid-summer than these bright scarlet flowers. Seeds should be started either in the house from February till April or in hotbeds.

		Large pkt.	Pkt.
1941	**Michell's Scarlet Glow.** A new variety of great merit, and an improvement on the Zurich; dwarf and compact; produces early in the season a mass of bright scarlet flowers	$0.65	$0.25
1930	**Bonfire** (*Clara Bedman*). Compact bushy plants 2 feet high, producing innumerable erect spikes of the most brilliant scarlet flowers; ¼ oz. 75c.	30	.10
1928	**Ball of Fire.** A dwarf early flowering variety with long spikes of brilliant scarlet flowers; excellent for borders; 18 inches	.40	.15
1946	**Zurich.** This is the earliest flowering of all salvias; plants are of dwarf, bushy growth and produce an abundance of bright scarlet flowers from early July until frost; height, 18 ins.	.40	.15
1944	**Splendens.** The popular sort. Tall growing plants with bright scarlet flowers; height, 3 feet ¼ oz. 50c.	.30	.10
1937	**King of Carpets.** Exceedingly dwarf growing plants with hardly any foliage and all flowers; color, brightest scarlet; very showy and distinct	.40	.15
1940	**Patens.** Bright blue flowers of large size; height, 2 feet	.40	.15
1931	**Compacta Alba.** A dwarf-growing variety with pure white flowers		.30
1927	**Azurea Grandiflora.** A hardy perennial variety producing during August and September spikes of pretty sky-blue flowers; 2 feet	.30	.10

SANVITALIA

1947	**Procumbens Fl. Pl.** Dwarf annual with bright yellow, double flowers; useful for edgings, or in vases, baskets etc.; 6 inches	.20	.10



Scabiosa, Grandiflora

SCABIOSA (Mourning Bride)

Free-flowering annuals of easy culture; splendid for cutting or garden effect; should be in every collection.

TALL GROWING VARIETIES

Flowers large and very showy, on stalks fully 2 feet high.

		Large pkt.	Pkt.
1951	**Azure Fairy.** Light heavenly blue	$0.20	$0.10
1953	**Fiery Scarlet**	.20	.05
1954	**Flesh Pink**	.20	.05
1955	**King of Blacks.** Deep maroon, almost black.	.20	.05
1957	**Pompadour.** Deep purple, edged with white.	.20	.05
1959	**Sulphur Yellow**	.20	.05
1961	**Pure White**	.20	.05
1966	**Othello.** Dark purple	.20	.10
1964	**Finest Mixed** ..... oz. 50c.	.15	.05
1962	**Dwarf Double Mixed.** Plants grow but 12 inches high; all colors ..... oz. 30c.	.15	.05

HARDY PERENNIAL VARIETIES

Handsome perennial border plants flowering the entire season.

		Large pkt.	Pkt.
1950	**Caucasica.** Soft blue	$0.40	$0.10
1948	**Caucasica Alba.** Pure white	.50	.10
1965	**Japonica.** Lavender	.40	.15

SCHIZANTHUS (Butterfly Flower)

One of our finest hardy annuals, bearing a profusion of pretty butterfly like flowers of various colors, closely resembling some species of Orchids; also desirable for winter blooming in pots.

		Large pkt.	Pkt.
1968	**Grahami Niveus.** Foliage finely cut, with a profusion of snowy white flowers; 2 feet.	$0.50	$0.10
1970	**Hybridus Grandiflorus.** Free flowering, plants covered with flowers of many shades of orchid-like appearance; 12 inches	.40	.15
1971	**Wisetonensis.** A showy variety, largely used as a pot plant for the house or conservatory; bears a profusion of flowers ranging from white with yellow centre to pink with brown centre	.50	.20
1973	**Bridal Veil.** Large, snowy-white flowers		.30
1972	**Mixed.** Various colors	.15	.05

SENSITIVE PLANT (Mimosa)

		Large pkt.	Pkt.
1975	**Pudica.** Curious and interesting annual plants with pinkish white flowers; the leaves droop when shaken; 18 inches	$0.15	$0.05

SHAMROCK

1978	**True Irish.** Small leaved	.30	.10

SHASTA DAISY. See **Chrysanthemum**

SILENE (Catchfly)

Free-flowering hardy annuals, with showy flowers; 4 ins.

1980	**Bonetti, Dwarf Pink.** Plants dwarf, thickly studded with bright pink flowers	$0.15	$0.10
1982	**Dwarf Golden Leaved.** Flowers pink	.15	.05
1984	**Double Dwarf White.** A beautiful variety	.15	.05

SMILAX

1985	A greenhouse climber of great value for floral decorations; seed should be soaked 24 hours in warm water before sowing; 10 feet; oz. 50c.	.15	.10

SNAPDRAGON. See **Antirrhinum**

SOLANUM

Ornamental plants for winter decoration; of dwarf branching habit; bears a profusion of bright berries; 1 foot.

		Large pkt.	Pkt.
1990	**Capsicastrum** (*Jerusalem Cherry*). Bright scarlet berries; 1 foot ..... oz. 40c.	.15	.10
1991	**Fra Diavola.** Of dwarf compact growth; leaves and fruit smaller than above	.30	.15

STATICE (Everlasting Flower)

1993	**Latifolia.** Hardy perennial variety, with large, deep blue flowers; 2 feet	.25	.10
1995	**Suworowi.** An annual variety, with pink flowers; fine for winter bouquets; 1 foot	.20	.10

STEVIA

2000	**Serrata.** Free blooming for summer or winter; profusion of fragrant white flowers; 2 feet	.20	.10

STIPA, Ornamental Grass. (See page 88)

Schizanthus—Wisetonensis

MICHELL'S "DISTINCTIVE" STOCKS

There are far too few fragrant flowers, particularly when the fragrance is pleasing; stocks enjoy the reputation of having the most pleasing fragrance of any flower save the violet; some varieties are splendid for borders, others for cutting and some for both purposes. To get the best results, sow from February till April in the house and transplant to small pots before setting out. The seeds we offer are hand-saved from pot-grown specimens and will produce a large percentage of double flowers.

MICHELL'S "FLOWER MARKET" STOCK

This is the ideal stock for either garden, cutting or forcing under glass. Plants branch freely and produce from 10 to 15 heavy spikes of extra large perfect flowers; height, 2 feet.

		⅛ Oz.	Large pkt.	Pkt.
2053	**White**	$0.75	$0.40	$0.15
2051	**Flesh Color**	.75	.40	.15
2052	**Rose**	.75	.40	.15
2050	**Light Blue**	.75	.40	.15
2049	**Dark Blue**	.75	.40	.15
2048	**Blood Red**	.75	.40	.15
2054	**Mixed Colors**	.75	.40	.15

MICHELL'S "DISTINCTIVE" COLUMN STOCK

Stout plants produce just one giant spike, lined with mammoth flowers; height, 3 feet.

		⅛ Oz.	Large pkt.	Pkt.
2027	**Blood Red**	$0.75	$0.40	$0.15
2028	**Pure White**	.75	.40	.15

LARGE FLOWERED DWARF TEN WEEK STOCK

For bedding there is nothing more effective; dwarf compact growing plants, producing thick short spikes of elegant double flowers.

		⅛ Oz.	Large pkt.	Pkt.
2010	**Blood Red**	$0.50	$0.30	$0.10
2012	**Light Blue**	.50	.30	.10
2014	**Pink**	.50	.30	.10
2016	**Purple**	.50	.30	.10
2018	**White**	.50	.30	.10
2020	**Yellow**	.50	.30	.10
2022	**Choice Mixed**	.50	.30	.10
2023	**Imported Collection.** 8 varieties			.50

Ask for Leaflet No. 211 on the Growing of Stocks.

Stocks, Large Flowering Dwarf Ten Week

Michell's "Nice" Stock

MICHELL'S "NICE" STOCK

An early flowering strain; remarkable free bloomer, producing an abundance of large double, fragrant flowers on a single plant; fine for garden bedding or cutting.

2035 **Beauty of Nice.** Delicate soft pink. Pkt., 15c.; 40c. large pkt.

2036 **Crimson King.** Brilliant fiery crimson. Pkt., 15c.; 40c. large pkt.

2038 **Queen Alexandra.** Delicate lavender. Pkt., 15c.; 40c. large pkt.

2034 **Victoria.** Pure white. Pkt., 15c.; 40c. large pkt.

2029 **Abundance.** Of dwarf spreading habit, bearing a profusion of flowers; color, a beautiful shade of carmine rose. Pkt., 15c.; 40c. large pkt.

2042 **Midsummer Night.** Deep dark violet. Pkt., 20c.; 40c. large pkt.

2040 **La Brilliante.** Rich brilliant crimson. Pkt., 20c.; 40c. large pkt.

2041 **Mme. Rivoire.** Early flowering; color, pure white. Pkt., 15c.; 40c. large pkt.

VARIOUS STOCKS

		Large pkt.	Pkt.
2025	**Wall Flowered Leaved.** Glossy deep green foliage with flowers in all shades	$0.30	$0.10
2037	**Brompton or Winter.** Fine for forcing under glass or early summer flowering outdoors.	.40	.10
2045	**White Lady.** A new Winter Stock, branching freely and producing large double flowers of a lustrous snowy white		.25
2043	**Princess Alice** (*Cut and Come Again*). Branching plant with double pure white flowers; fine for cutting	.40	.10
2031	**Bismarck.** Of pyramidal form with a profusion of fragrant, pure white flowers	.40	.15
2047	**Virginian Stock Mixed.** A splendid free flowering plant, growing easily from seed sown outdoors ..... oz. 30c.	.15	.05

STOKESIA (Cornflower or Stokes' Aster)

Plants grow about 15 to 18 inches high, bearing freely from July to October handsome Centaurea like blossoms, each measuring from 4 to 5 inches across; it is of easy culture, and one of the most desirable plants for the hardy border, and also for cutting.

		Large pkt.	Pkt.
2055	**Cyanea.** Light blue	$0.25	$0.10
2057	**Cyanea Alba.** Pure white	.30	.10

STRAWFLOWER See Helichrysum

March 12, 1914.

I had such good luck with the seeds I bought from you last fall that I thought I would give you an order this spring. I use a lot of vegetable and flower seeds, but have had hard luck with seeds purchased elsewhere. Please find enclosed order, which kindly forward at once.

Yours truly,

E. A. D.,
Rockland, Maine.

Stokesia, Cyanea

MICHELL'S FANCY NASTURTIUMS

A great advance has been made of late years in the range of new colors which has been developed in this popular flower, which is one of our most beautiful annuals; easily grown, and producing a great profusion of brilliant colored flowers from within a few weeks after they are sown until they are killed by frost; they will flower more profusely in thin soil. Our Nasturtiums are noted for their size, variety and brilliancy of their colors.

DWARF OR BEDDING (Tom Thumb)

Of dwarf, compact growth; excellent for bedding purposes; 1 foot high.

		¼lb.	Oz.	Pkt.
1442	**Michell's Fancy Giant Mixed.** This is one of the finest mixtures ever offered; composed of the largest and finest varieties. Per lb., $1.35	$0.45	$0.20	$0.10
1440	**Choice Mixed.** All colors. Lb., $1.00	.30	.15	.05
1445	**Liliput Mixed.** A new variety of very dwarf and compact growth, and producing in the greatest profusion flowers of many new and beautiful colors	.50	.20	.05

Michell's Giant Dwarf Nasturtiums

		¼lb.	Oz.	Pkt.
1443	**Ivy Leaved Mixed.** Ivy-like, deep green foliage; flowers beautifully fringed	$0.60	$0.20	$0.10
1446	**Queen of Tom Thumbs Mixed.** Silver variegated foliage; flowers in a great variety of colors	.60	.20	.10
1431	**Queen of Tom Thumbs, Crimson.** Silver variegated foliage and rich, bright crimson flowers	.75	.25	.10
1444	**Golden Foliage Mixed**	.50	.15	.10
1417	**David Burpee Spencer.** New compact plants with emerald green leaves which are wavy and ruffled; flowers deep scarlet on long stems		.40	.10
1410	**Aurora.** Rich yellow, veined carmine.	.40	.15	.05
1412	**Beauty.** Yellow, with scarlet veinings	.40	.15	.05
1413	**Bronze.** Burnished bronze color	.40	.15	.05
1414	**Chameleon.** Produces various colors and markings on the same plant	.40	.15	.05
1416	**Cloth of Gold.** Golden yellow leaves, scarlet flowers	.40	.15	.05
1415	**Crystal Palace Gem.** Sulphur yellow, spotted maroon	.40	.15	.05
1418	**Empress of India.** A splendid variety, with dark leaves and crimson flowers	.40	.15	.05
1420	**Golden King.** Dark foliage; golden flowers	.40	.15	.05
1422	**Golden Queen.** Foliage and flowers golden yellow	.40	.15	.05
1423	**King of Tom Thumbs.** Dark foliage; scarlet flowers	.40	.15	.05
1424	**King Theodore.** Dark foliage; flowers crimson maroon	.40	.15	.05
1426	**Lady Bird.** Rich orange yellow, with a red blotch at the base of the petals.	.40	.15	.05
1428	**Pearl.** Creamy white	.40	.15	.05
1430	**Pink.** Soft rose color	.40	.15	.05
1429	**Prince Henry.** Cream, spotted and tipped red	.40	.15	.05
1432	**Scarlet.** Brilliant	.40	.15	.05
1434	**Spotted.** Rich orange, spotted crimson	.40	.15	.05
1436	**Vesuvius.** Salmon pink	.40	.15	.05
1438	**Yellow.** Bright shade	.40	.15	.05
1447	**Imported Collection.** 12 dwarf varieties			.50

For Tall or Climbing Nasturtiums see next page

MICHELL'S FANCY NASTURTIUMS (CONTINUED)

TALL OR CLIMBING NASTURTIUMS

For covering trellises, fences, arbors, piazzas, trailing from vases, over rockwork, etc., nothing can equal the gorgeous effect produced by their great quantities of bloom from early summer until frost; height, 8 to 10 feet.

		¼ lb.	Oz.	Pkt.
1474	**Michell's Fancy Giant Mixed.** This mixture cannot be excelled for large size and beautiful colors of the flowers. Composed of the largest and finest varieties. Per lb., $1.35	$0.45	$0.20	$0.10
1472	**Choice Mixed.** Lb., $1.00	.30	.15	.05
1475	**Queen of Talls, Mixed.** Silver variegated foliage, flowers of all colors	.50	.15	.10
1473	**Ivy Leaved Mixed.** Ivy-like, deep green foliage; flowers beautifully fringed.	.50	.20	.10
1471	**Hybrids of Mad. Gunther.** A special strain; all shades and colors. Per lb., $1.00	.40	.15	.05
1450	**Chameleon.** Produces different colored flowers on the same plant	.40	.15	.05
1452	**Crimson.** Rich and velvety	.40	.15	.05
1453	**Hemisphaericum.** Different shades of orange-salmon and scarlet	.40	.15	.05
1456	**Jupiter.** Color, pure deep yellow, with crinkled petals; of immense size	.40	.15	.05
1458	**King Theodore.** Dark foliage and flowers	.40	.15	.05
1460	**Orange.** A deep shade	.40	.15	.05
1459	**Prince Henry.** Cream, spotted and tipped red	.40	.15	.05
1461	**Pearl.** Creamy white	.40	.15	.05
1463	**Pink.** Soft rose color	.40	.15	.05
1462	**Scarlet.** Very bright	.40	.15	.05
1466	**Vesuvius.** Salmon pink	.40	.15	.05
1470	**Yellow**	.40	.15	.05
1476	**Imported Collection.** 12 tall varieties			.50

DWARF NASTURTIUMS are offered on page 103.

Lobb's Climbing Nasturtium

Michell's Giant Tall Nasturtium

LOBB'S CLIMBING NASTURTIUMS

(Tropaeolum Lobbianum)

These are exceedingly free-flowering and of the most brilliant colors, with neat dark green foliage; excellent for window boxes, vases, hanging baskets, and rockeries; also for greenhouse or conservatory during the winter; 8 to 10 ft.

		¼ lb.	Oz.	Pkt.
1492	**Choice Mixed.** Lobb's varieties, all colors. Per lb., $1.25	$0.40	$0.15	$0.05
1480	**Asa Gray.** Yellowish white	.50	.20	.05
1482	**Brilliant.** Glowing scarlet flowers	.50	.20	.05
1484	**Giant of Battles.** Yellow, blotched carmine	.50	.20	.05
1486	**Golden Queen.** Golden yellow	.50	.20	.05
1488	**Roi des Noirs.** Dark garnet red	.50	.20	.05
1489	**Rudolph Virchow.** Soft, rosy pink	.50	.20	.05
1490	**Spitfire.** Brilliant scarlet	.50	.20	.05
1493	**Collection.** One packet each of above 7 Lobb's varieties for 30c.			

MICHELL'S COLLECTIONS OF NASTURTIUMS

One packet each **12 Dwarf Sorts**	$0.50
One packet each **6 Dwarf Sorts**	.25
One ounce each **12 Dwarf Sorts**	1.25
One ounce each **6 Dwarf Sorts**	.75
One packet each **12 Tall Sorts**	.50
One packet each **6 Tall Sorts**	.25
One ounce each **12 Tall Sorts**	1.25
One ounce each **6 Tall Sorts**	.75

Michell's
Fancy Giant
Nasturtiums

Tall or Dwarf

MIXTURE of all COLORS

Packet 10c, 20c oz., 1-4 lb. 45c, $1.35 per lb.
(Postpaid)

MICHELL'S SUPERB "SPENCER" OR ORCHID FLOWERED
MIXTURE SWEET PEAS

MICHELL'S SUPERB "SPENCER" OR ORCHID FLOWERED SWEET PEAS

	Per pkt.	Per oz.	Per ¼ lb.	Per lb.
Mixture of all colors	10c	20c	60c	$2.00

MICHELL'S "NEW SPENCER" OR ORCHID FLOWERED SWEET PEAS

New Spencer Sweet Pea

Nothing within recent years can approach in importance the introduction of the "Spencer" Sweet Peas. Though but few years old they revolutionize all former conclusions. They are distinguished from the standard sorts by the enormous flowers with crinkled and wavy petals, and also from the fact that they usually bear four blossoms on a stem.

		Pkt.	Oz.	¼ lb.	Lb.
	WHITE				
2216	**Nora Unwin.** Large, pure white...	$0.10	$0.20	$0.60	$2.00
2255	**White Spencer.** Clear white.....	.10	.30	1.00	3.50
2167	**King White.** Gigantic flowers of pure white	.15	1.25		
	LIGHT PINK				
2135	**Countess Spencer.** A lovely clear pink, shading deeper at the edge.	.10	.30	.85	3.00
2152	**Gladys Unwin.** Delicate pink.....	.10	.15	.50	1.50
2112	**Blanche Ferry Spencer.** Immense flowers; pink and white.....	.10	.30	1.00	3.50
2163	**Illuminator.** Rich salmon pink....	.15			
2144	**Elfrida Pearson.** Light pink, margined with darker pink.....	.10	.40	1.25	4.50
2156	**Florence Morse Spencer.** Delicate blush with pink margin.....	.10	.30	.85	3.00
2187	**Lovely Spencer.** Deep pink shading to blush	.10	.30	.85	3.00
2139	**Dainty Spencer.** White ground, with picotee edge of rose pink...	.10	.30	1.00	3.50
2143	**Duplex Spencer.** Large; rich cream pink; nearly all the flowers have double or triple standards.....	.10	.40	1.25	4.00
2190	**Margaret Atlee.** Light salmon pink on cream ground.....	.15			
2246	**Stirling Stent.** Deep salmon, suffused with orange.....	.10	.60	2.00	
2199	**Mrs. Routzahn Spencer.** Buff pink	.10	.40	1.25	4.00
2198	**Mrs. Hugh Dickson.** Salmon pink on cream ground.....	.10	.30	.85	3.00
2157	**Helen Lewis.** Orange pink.....	.10	.30	.85	3.00
	DEEP PINK OR ROSE				
2161	**Geo. Herbert.** Rose pink.....	.10	.25	.75	2.50
2099	**Apple Blossom Spencer.** Deep pink	.10	.30	.85	3.00
2189	**Marie Corelli.** Rich rose crimson..	.10	.35	1.00	3.50
	PRIMROSE OR LIGHT YELLOW				
2224	**Primrose Spencer.** Light yellow...	.10	.30	.85	3.00
	LAVENDER				
2100	**Asta Ohn Spencer.** Rich lavender.	.10	.30	1.00	3.75
2155	**Flora Norton Spencer.** Light lavender	.10	.30	1.00	3.75
2153	**Frank Dolby.** Mauve lavender	.10	.20	.75	2.50
2188	**Margaret Madison.** Light lavender or azure blue.....	.10	.70	2.50	
2147	**Florence Nightingale.** The largest and best lavender.....	.10	.30	1.00	3.50
	BLUE AND PURPLE				
2094	**Afterglow.** Violet standards shaded rosy amethyst, wings electric blue	.15	2.00		
2124	**Captain of the Blues Spencer.** Standard purple; wings blue.....	.10	.30	.85	3.00
2164	**Irish Belle** (*New*). Lovely rich lilac, flushed with pink.....	.15	.45	1.50	5.00
2256	**Wedgewood.** A lovely self blue...	.15			
	SCARLET				
2169	**King Edward Spencer.** Bright crimson scarlet.....	.10	.30	.85	3.00
2229	**Queen Alexandra.** Bright scarlet..	.10	.35	1.25	4.25
2254	**Vermilion Brilliant** (*New*). Intense scarlet	.15	.75	2.50	
	MAROON				
2219	**Othello Spencer.** Deep maroon...	.10	.30	.85	3.00
	STRIPED AND FLAKED				
2103	**Aurora Spencer.** Striped and flaked salmon-rose on white ground....	.10	.30	.85	3.00
2097	**America Spencer.** Red flakes on white ground	.10	.30	.85	3.00
2123	**Charm.** White, suffused blush pink	.15	.60	2.00	
2145	**Ethel Roosevelt.** Gigantic flower of soft primrose, flaked with crimson	.10	.30	.85	3.00

MICHELL'S "SUPERB" SPENCER MIXTURE

We blend this ourselves from only the Giant Waved Spencer varieties, including a number of new hybrids of exquisite colors and shades; we are sure this mixture will give absolute satisfaction. Per pkt., 10c.; 20c. per oz.; ¼ lb., 60c.; $2.00 per lb.

MICHELL'S SELECTED NAMED SWEET PEAS

STANDARD VARIETIES

The varieties we offer below have been selected from a large list and embrace only the very best large flowering sorts, and for freedom of bloom, size of flowers and length of stem cannot be surpassed.

For the convenience of our customers we have arranged the different varieties according to color.

Our Booklet "How to Grow Sweet Peas" included in all orders if requested.

		Oz.	¼lb.	Lb.
WHITE				
2106	**Blanche Burpee.** Large, pure white...	$0.10	$0.30	$1.00
2136	**Dorothy Eckford.** Extra large, white.	.10	.30	1.00
2150	**Emily Henderson.** Pure white.....	.10	.30	1.00
2202	**Mont Blanc.** Early; pure white.....	.15	.40	1.25
PRIMROSE AND YELLOW				
2162	**Hon. Mrs. E. Kenyon.** Primrose yellow	.10	.30	1.00
ROSE AND PINK				
2110	**Blanche Ferry.** Pink and white.....	.15	.40	1.25
2138	**Dainty.** White ground, with picotee edge of rose pink.....	.15	.40	1.25
2146	**Earliest of All.** Pink and white.....	.15	.40	1.25
2166	**Katherine Tracy.** Soft but brilliant pink	.10	.30	1.00
2186	**Lovely.** Soft shell pink.....	.15	.40	1.25
2222	**Prima Donna.** Lovely soft pink.....	.15	.40	1.25
2226	**Prince of Wales.** Rose crimson.....	.15	.40	1.25
ORANGE				
2194	**Miss Wilmott.** Deep orange pink.....	.15	.40	1.25
LAVENDER				
2134	**Countess of Radnor.** Pale lavender...	.15	.40	1.25
2170	**Lady Grisel Hamilton.** Pale lavender.	.15	.40	1.25
2151	**Flora Norton.** Delicate lavender.....	.15	.40	1.25
CRIMSON AND SCARLET				
2168	**King Edward VII.** Crimson scarlet....	.10	.30	1.00
2228	**Queen Alexandra.** Large scarlet.....	.15	.40	1.25
2242	**Salopian.** Scarlet	.15	.40	1.25
BLUE AND PURPLE				
2142	**Duke of Westminster.** Standard clear purple, wings violet.....	.15	.40	1.25
2178	**Lord Nelson.** Rich navy blue.....	.15	.40	1.25
2214	**Navy Blue.** Deep violet blue.....	.15	.40	1.25
MAROON				
2105	**Black Knight.** Deep maroon.....	.15	.40	1.25
2218	**Othello.** Very dark maroon.....	.15	.40	1.25
STRIPED AND MOTTLED				
2095	**America.** Blood red striped on white..	.15	.40	1.25

Price, any of the above Varieties, 5c. per packet.

SPECIAL COLLECTIONS OF SWEET PEAS

One packet each 15 named varieties our selection....	$0.50
One ounce each 15 named varieties our selection....	1.50
One packet each 25 named varieties above.....	.75
One ounce each 25 named varieties above.....	2.00

For Spencer or Orchid Flowered Sweet Peas see page 105.

Sweet Pea—Dorothy Eckford

Michell's Christmas or Winter Flowering SWEET PEAS

The following varieties can be successfully grown outdoors in summer, but are especially desirable for forcing in greenhouse for winter blooming.

		Pkt.	Oz.	¼ lb.
2245	**Michell's Snowdrift.** Pure white; black seeded; extra early; large flowers..	$0.10	$0.40	$1.25
2126	**Christmas Meteor.** Scarlet.....	.10	.40	1.25
2127	" **Pink.** Pink and white.....	.10	.25	.75
2129	" **White.** (*Florence Denzer*)..	.10	.25	.75
2174	**Le Marquis.** Large dark blue	.10	.40	1.25
2203	**Mrs. Alex. Wallace.** Lavender.....	.10	.30	1.00
2206	**Mrs. Chas. H. Totty.** Lavender.....	.10	.30	1.00
2207	**Mrs. Edie Wilde.** Carmine red.....	.10	.30	1.00
2209	**Mrs. F. J. Delansky.** Daybreak pink..	.10	.30	1.00
2210	**Mrs. Geo. Lewis.** Pure white.....	.10	.30	1.00
2213	**Mrs. William Sim.** Salmon pink.....	.10	.30	1.00
2211	**Mrs. W. W. Smalley.** Satin pink.....	.10	.30	1.00
2264	**Mixed.** Winter flowering.....	.10	.25	.75

MICHELL'S SWEET PEAS IN MIXTURE

Orange, Va.

Dear Sirs:

I must say that in an experience of 30 years in growing **Sweet Peas** *I never before had such strong growth of vines, united with such persistent blooming and fine flowers,*

Yours respectfully,
P. S.

Newnan, Ga.

Gentlemen:

Please send me the following varieties of Sweet Pea seed:—My Spencer Sweet Peas bought of you last year were the finest I ever saw.

Very respectfully,
Mrs. W. D. P.

SWEET PEAS IN MIXTURE

The mixtures offered below have been made up by ourselves and should not be compared with some of the cheap mixtures advertised.

MICHELL'S SUPERB SPENCER OR ORCHID FLOWERED MIXTURE

2262 This is blended from only the Giant Waved Spencer varieties including a number of new hybrids of exquisite colors and shades; we feel sure this mixture will give absolute satisfaction.

Price: 10c. per pkt.; per oz., 20c.; 60c. per ¼ lb.; per lb., $2.00.

MICHELL'S MAGNIFICENT MIXTURE

2258 Great care has been taken in making this mixture, selecting the large flowering, long stemmed varieties, a large percentage of which are of the lighter colors and shades.

Price: 5c. per pkt.; per oz., 15c.; 40c. per ¼ lb.; per lb., $1.25.

MICHELL'S GILT EDGE MIXTURE

2260 This mixture contains the Grandiflora or large flowering varieties, and represents almost every color and shade in Sweet Peas.

Price: 5c. per pkt.; per oz., 10c.; 30c. per ¼ lb.; per lb., $1.00.

DWARF CUPID VARIETIES MIXED

2292 Compact plants growing 6 to 7 inches high and 12 to 15 inches in diameter, and from June until late summer are literally a sheet of bloom; excellent for edgings or pot culture.

Price: 5c. per pkt.; per oz., 15c.; 50c. per ¼ lb.; per lb., $1.50.

Our Booklet "How to Grow Sweet Peas" included in all orders if requested.

Nitrogen Bacteria "Farmogerm"

The ideal preparation for treating sweet peas seed when planting. Makes larger and more flowers, longer stems; prolongs the blooming period. 50c. per bottle postpaid. See page 57 for full particulars.

SUNFLOWER (Helianthus)

SMALL FLOWERED SORTS

		Large Pkt.	Pkt.
2087	**Starlight.** Beautiful single canary-yellow flowers with twisted petals; 4 feet		$0.20
2070	**Cucumerifolius.** Single yellow.....oz. 25c.	$0.15	.05
2071	" **Purpureus** (*New*). Flowers in shades from pink to purple.....		.20
2072	**Cut-and-Come-Again.** Single yellow flowers with twisted petals.....	.15	.10
2082	**Perkeo.** Single yellow, black centre; 1 foot....	.15	.10
2088	**Stella.** Single golden yellow, black centre. oz. 30c.	.15	.05

SUNFLOWER—LARGE FLOWERED SORTS

2068	**Chrysanthemum Flowered.** Large double extremely well filled golden yellow flowers, resembling Chrysanthemums; 7 feet.....oz. 30c.	.15	.05
2074	**Double Globe.** Large double yellow flowers on branching tall plants; height, 6 feet....oz. 25c.	.15	.05
2076	**Dwarf Double.** Yellow flowers; 3 feet. oz. 25c.	.15	.05
2080	**Oscar Wilde.** Single yellow, black centre; 6 ft. oz. 25c.	.15	.05
2084	**Polar Star.** Single, creamy white, black centre	.20	.10
2086	**Russian Mammoth.** Immense single yellow flowers on tall heavy stalks; 6 feet....oz. 10c.		.05

SUNFLOWER—PERENNIAL SORTS

Showy garden flowers blooming the whole summer.

2078	**Golden Bouquet.** Single yellow flowers, 5 feet	.25	.10
2079	**Choice Mixed.** Single flowering, hardy perennial sorts; will bloom the first year if sown early	.40	.10

Single Sweet William

SWEET WILLIAM (Dianthus Barbatus)

This is one of the finest of our hardy garden plants; of easy culture; thriving in any good garden soil and lasting for years. The plants grow about 1½ feet high, and form fine clumps; produces fine effects in beds and shrubbery.

		Oz.	Large Pkt.	Pkt.
2306	**Single Crimson**	$0.50	$0.15	$0.05
2307	" **Red** with white eye	.50	.15	.05
2308	" **Velvety Maroon**	.50	.15	.05
2309	" **Violet** with white eye	.50	.15	.05
2311	" **White**	.50	.15	.05
2312	" **Mixed.** All colors	.30	.15	.05
2313	**Pink Beauty.** An exceedingly pretty variety with beautiful salmon pink flowers		.40	.15
2315	**Scarlet Beauty.** A selection out of Pink Beauty; color, intense rich deep scarlet		.50	.15
2310	**Auricula Flowered.** A beautiful class of "eyed" single varieties, all colors mixed	.75	.15	.05
2314	**Double Mixed**	1.00	.20	.10

SWEET ROCKET (Hesperis)

A desirable hardy plant; excellent for naturalizing among shrubbery or for planting in a permanent border.

		Large Pkt.	Pkt.
2300	**Mixed.** Fragrant white and purple flowers; perennial; 2 to 3 feet	$0.15	$0.05

SWEET SULTAN (Centaurea Moschatus)

Hardy annual; flowers resemble "Bachelor's Buttons"; fragrant flowers on long stems.

		Large Pkt.	Pkt.
2305	**Mixed Colors** .....oz. 30c.	$0.15	$0.05

Tagetes, Golden Ring

TAGETES (Single Marigold)

		Large Pkt.	Pkt.
2320	**Golden Ring.** Dwarf bushy annual Marigold, with beautiful fern-like leaves, covered with flowers of dark brown, edged yellow; 1 foot..	$0.20	$0.05

THUNBERGIA (Black-Eyed Susan)

Rapid growing annual climbers, making a pretty vine for trellis, fences, rockwork, etc.; also for window boxes, hanging baskets, and vases; produces a profusion of pretty flowers.

		Large Pkt.	Pkt
2325	**Alba Oculata.** White, with black eye	$0.20	$0.05
2326	**Alata.** Buff, with black eye	.20	.05
2327	**Aurantiaca.** Orange, with black eye	.20	.05
2328	**Mixed.** All colors	.20	.05

Torenia, Fournieri Grandiflora

TORENIA

Showy bedding plants, flowering profusely all summer; also fine for pots and baskets; height, 12 inches.

		Large Pkt.	Pkt.
2337	**Fournieri Grandiflora.** Sky-blue flowers, with dark blue spots and yellow throat	$0.40	$0.10

TRITOMA (Red Hot Poker Plant)

Showy plants either for bedding, vases or pot culture.

2345	**Uvaria Grandiflora.** A most striking ornamental autumn plant; valuable for shrubberies, flower borders or beds; large spikes of orange-scarlet flowers; 3 to 4 feet	.20	.10

Don't fail to read pages 66 to 72 for Valuable Novelties.

Michell's Mammoth Fancy Verbena

VERBENA

An excellent annual for beds and massing, and for a gorgeous display during the summer months cannot be excelled, commencing to flower in July and continuing until frost. Our **Mammoth Fancy Strain** cannot be surpassed for profusion of bloom and beautiful colors and shades.

MICHELL'S MAMMOTH FANCY

		Oz.	Lge. pkt.	Pkt.
2355	**Blue**	$2.00	$0.40	$0.10
2357	**Pink**	2.00	.40	.10
2359	**Scarlet**	2.00	.40	.10
2361	**Striped**	2.00	.40	.10
2363	**White**	2.00	.40	.10
2364	**Our Collection.** One packet each of above 5 colors			.40
2365	**Michell's Mammoth Fancy Mixed**	1.50	.40	.10
2367	**New Giant Flowered.** A new variety of large size, with extra large white eyes, making them very attractive; mixed colors		.65	.15
2369	**Fine Mixed.** All colors	oz. 80c.	.25	.05
2371	**Lemon Scented** (*Aloysia Citriodora*). An old favorite plant with delightful lemon scented foliage; excellent for growing in the garden in summer and in pots in winter		.40	.10

Ask for Cultural Leaflet No. 207 on the growing of Verbenas.

VALERIANA (Garden Heliotrope)

Hardy perennial border plants, large fragrant flowers; 2 to 3 feet.

		Lge. pkt.	Pkt.
2348	**Officinalis.** Showy, rose pink flowers	$0.40	$0.10
2350	**Mixed.** Red, rose or white flowers	.15	.05

VERONICA (Speedwell)

An elegant hardy perennial plant, of easy culture and free-flowering habit; of value as a cut flower or for garden effect. No hardy garden can afford to miss this. Plants grow bushy and produce long spikes of flowers.

		Lge. pkt.	Pkt.
2373	**Spicata.** Long spikes of bright blue flowers; 18 inches	$0.30	$0.10
2374	**Virginica.** Long spikes of white flowers; 3 to 5 feet	.30	.10

VINCA ROSEA (Madagascar Periwinkle)

Dwarf bedding plants with deep green glossy foliage and bright single blossoms of striking beauty; sow early.

		Lge. pkt.	Pkt.
2375	**Alba.** White with rose eye	$0.20	$0.10
2376	**Alba Pura.** Pure white	.20	.10
2377	**Rosea.** Rose with dark eye	.20	.10
2378	**Mixed**	oz. 75c.	.20	.10

VIOLA CORNUTA (Tufted Pansies)

These resemble pansies in shape and form, with the additional quality that they have long stems, and appear uninterruptedly from early spring till snow flies; they require a semi-shady situation, where they can find abundant moisture.

		Lge. pkt.	Pkt.
2385	**Admiration.** Dark blue	$0.30	$0.10
2386	**Lutea Splendens.** Rich, golden yellow	.30	.10
2387	**Perfection.** Light blue	.30	.10
2388	**White Perfection.** Pure white	.30	.10
2384	**Mauve Queen.** Lovely mauve color	.30	.10
2389	**G. Wermig** (*New*). Flowers borne in great profusion on long stems, and of the identical color of the "Princess of Wales" violet		.20

VIOLET Sweet Scented (Viola Odorata)

Well-known, fragrant spring-blooming plants.

		Lge. pkt.	Pkt.
2390	**Single Blue Czar.** Dark blue	$0.40	$0.10
2392	**Single White Czar.** Large white	.40	.10
2394	**Single Mixed.** Blue and white	.40	.10

XERANTHEMUM (Everlasting Flower)

		Lge. pkt.	Pkt.
2420	**Double Mixed.** Excellent for winter bouquets	.15	.05

MICHELL'S CULTURAL LEAFLETS

We have prepared the following Cultural Leaflets especially for the benefit of the amateur, or in fact for any who may want them, giving instructions how to grow the same successfully from seed. These leaflets are free.

201. Antirrhinum.	205. Petunia.	209. Pansy.
202. Aster.	206. Primula.	210. Salvia.
203. Cineraria.	207. Verbena.	211. Stock.
204. Mignonette.	208. Zinnia.	212. Perennials.

Bellefonte, Pa.
May 1st, 1914.

Henry F. Michell Co.
Phila., Pa.

Dear Sirs:

The seeds you sent me were received. We like your seeds very much; last year our garden was planted with seeds procured from you, and we had the very best results. Please find order and remittance for the following seeds.

Yours truly,
Mrs. C. D.

Viola Cornuta

WALLFLOWER

While these are perennials, they are not perfectly hardy; the plants should be lifted late in the fall and planted in a cold-frame, and removed to the garden again in the spring; the flowers are fragrant and splendid for cutting; double varieties, 2 ft.; single varieties 1½ ft.

		Large pkt.	Pkt.
2400	**Double Brown**	$0.50	$0.10
2402	" **Yellow**	.50	.10
2404	" **Mixed.** All colors	.40	.10
2408	**Single Mixed**.....oz.	.30c.	.15 .05
2410	**Imported Collection.** 6 double varieties		.50

Paris Extra Early. A single-flowering variety, which may be treated as an annual, flowering the first year from seed.

2407	**Blood Red**	$0.20	$0.10
2409	**Yellow**	.20	.10
2406	**Mixed.** All colors....oz.	.50	.15 .10

MIXED OR WILD FLOWER GARDEN SEEDS

This mixture embraces about 100 varieties of easy-growing, beautiful and interesting annual flowers, which will furnish a profusion of bloom throughout the entire summer and autumn; many of the varieties will be found useful for cutting. Price: per pkt. 5c., 15c. per oz., per ¼ lb. 50c., $1.50 per lb.

MICHELL'S PERENNIAL FLOWER GARDEN MIXTURE

To create an old-fashioned wild garden or to naturalize along roads or woods we highly recommend this mixture, as it contains many varieties of the choicest old-fashioned flowers. Price: per pkt. 10c., 40c. per oz., per ¼ lb. $1.25.

Double Wallflower

New Giant Robusta Zinnia

MICHELL'S "DISTINCTIVE" ZINNIAS (Youth and Old Age)

Few of our hardy annuals are more effective in the border than Zinnias. They are very easily grown, and bloom continuously from early summer until frost.

ROBUSTA OR GIANT DOUBLE ZINNIAS

Plants grow extremely robust to a height of 2½ feet; have stout, straight stems crowned with gigantic, perfect double flowers, often measuring 5 to 6 inches across; splendid for cutting or garden effect.

		Oz.	Lge. pkt.	Pkt.
2466	**Crimson**	$2.00	$0.50	$0.15
2467	**Flesh Color**	2.00	.50	.15
2468	**Golden Yellow**	2.00	.50	.15
2469	**Purple**	2.00	.50	.15
2470	**Scarlet**	$2.00	$0.50	$0.15
2471	**Sulphur Yellow**	2.00	.50	.15
2472	**Violet**	2.00	.50	.15
2473	**White**	2.00	.50	.15
2454	**Mixed**	.90	.25	.10

TALL DOUBLE ZINNIAS

Flowers of good size; height, 2 feet.

		Oz.	Lge. pkt.	Pkt.
2440	**Crimson**	$0.60	$0.15	$0.05
2442	**Pink**	.60	.15	.05
2443	**Scarlet**	.60	.15	.05
2444	**White**	$0.60	$0.15	$0.05
2446	**Yellow**	.60	.15	.05
2448	**Mixed**	.50	.15	.05

DWARF DOUBLE ZINNIAS

Fine for edgings; height, 1½ feet.

		Oz.	Lge. pkt.	Pkt.
2430	**Jacqueminot.** Crimson	$0.75	$0.15	$0.05
2432	**Pink**	.75	.15	.05
2433	**Salmon Rose**	.75	.15	.05
2435	**Scarlet**	$0.75	$0.15	$0.05
2434	**White**	.75	.15	.05
2436	**Yellow**	.75	.15	.05
2438	**Mixed**	.60	.15	.05

VARIOUS ZINNIAS

2450	**Curled and Crested.** Large double flowers; petals curiously twisted, curled; mixed colors; 1½ feet	$0.60	$0.20	$0.10
2453	**Red Riding Hood.** A perfect compact plant, covered the entire season with small, button-like, intense scarlet, double flowers; 1 foot	.75	.20	.10
2458	**Zebra or Striped.** Large double flowers, striped and spotted; 2 feet	.75	.20	.10
2462	**Imported Collection,** 6 dwarf double varieties			.25
2464	**Imported Collection,** 6 tall double varieties			.25

AMARYLLIS

For a practical showy house plant there is nothing of easier culture than these gorgeous lily-like flowers. Once potted they can remain in the same pot for years; increasing each year in beauty.

Cultural Directions: Place bulbs, on arrival, in damp moss in temperature of 60° and allow the flowering shoot to appear before the bulb is potted. When the plant is in progress of blooming water freely, other times sparingly.

Belladonna. A beautiful bright pink. 15c. each; doz., $1.50.
Empress of India (New). A hybrid strain, covering various shades of red, crimson, pink, striped and marked varieties; gigantic flowers. 75c. each; doz., $7.50.
Formosissima. Crimson. 10c. each; per doz., $1.00.
Hybrids of Vittata. Beautiful species, flowers striped and flaked. 50c. each; per doz., $5.00.
Johnsoni. A very large crimson sort, striped white. Mammoth bulbs. 50c. each; per doz., $5.00. Good size bulbs, 35c. each; per doz., $3.50.

SMALL AMARYLLIS OR ZEPHYRANTHES (Fairy Lily)

These are strictly outdoor flowers but not hardy and must be lifted every fall. The sweet lily-like blossoms appear soon after the bulb is planted in May and continue during the entire season.

	Each	Doz.
Treatea Rosea. Pink flowers	$0.06	$0.60
" **Alba.** Purest white	.06	.60

ACIDANTHERA

A native of South Africa and allied to the Gladiolus, produces graceful flower-sprays from July until September; not hardy.

Bicolor. Creamy white with red blotches in the centre of the flower. 10c. each; per doz., $1.00; $7.00 per 100.

TESTIMONIAL

Atlanta, Georgia.

I wish to thank you for the quality of the bulbs sent in my previous order. They were all excellent and I am expecting a fine crop from them.

N. B. STEPHENS.

NEW BEGONIA CRISPA

The edge of each flower petal is exquisitely frilled and crested, giving unto the flower a charming appearance. The illustration below, which was made from an actual bloom, will convey some idea of its beauty. Every one who grows Tuberous Begonias should plant some of this variety.

Mixed Colors. 12c. each; doz., $1.20; $8.00 per 100.
Separate Colors. 15c. each; doz., $1.50; $10.00 per 100.

BEGONIAS (Tuberous Rooted)

There hardly is a single garden in which there are semi or entirely shaded spots where the average flower will not grow; such places are ideal for this flower; yet it will make a dazzling show in the open. Enormous wax-like flowers appear uninterruptedly from June till frost. The bright flowers contrast well with the deep-colored foliage. The bulbs must be lifted in the fall. If you have never grown them, try them this year; start your bulbs in March and have flowers in June. Plant bulbs outdoors not before May 1st.

SINGLE VARIETIES

	Each	Doz.	100		Each	Doz.	100
Crimson	10c.	$1.00	$6.00	**Scarlet**	10c.	$1.00	$6.00
Orange	10c.	1.00	6.00	**White**	10c.	1.00	6.00
Pink	10c.	1.00	6.00	**Yellow**	10c.	1.00	6.00
Mixed					7c.	.70	5.00

DOUBLE VARIETIES

	Each	Doz.	100
In separate colors as above	$0.15	$1.50	$10.00
Mixed, all colors	.12	1.20	8.50

NAMED VARIETIES

	Each	Doz.	100
Lafayette. Brilliant crimson	$0.20	$2.00	$15.00
Graf Zeppelin. Double; vermilion	.15	1.50	11.00
Bertini. Brilliant vermilion; single	.15	1.50	11.00
Cardinal. Rich cardinal red	.25	2.25	15.00

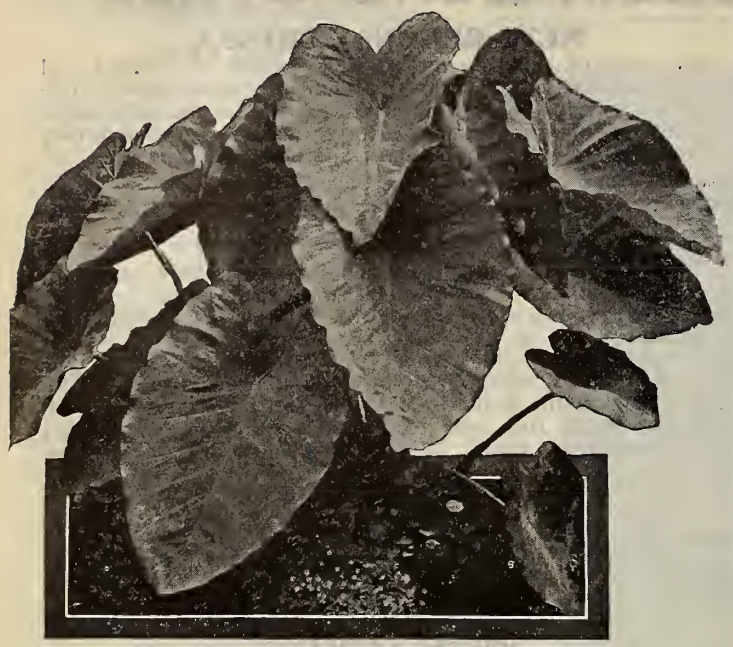
Please add 5c. per dozen for mailing Begonia Bulbs. Single bulbs mailed free.

TUBEROUS BEGONIA PLANTS (*Ready in May*)

	Each	Doz.	100
Single. Mixed colors	$0.15	$1.50	$10.00
Double. Mixed colors	.20	2.00	15.00

New Tuberous Begonia, Crispa Type

6 Bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates. (ha)



CALADIUM ESCULENTUM (Elephant's Ear)

As centre pieces or specimens in flower beds Caladiums answer well. They also make an excellent edging for tall growing plants. When planted in a bed alone, a border of Scarlet Sage makes a beautiful contrast. Do not plant Caladiums outdoors until after May 1st, but to get them in early growth, they may be started indoors.

	Each	Doz.	100	If wanted by mail add for each bulb postage
Monster Bulbs	$0.30	$3.25	$20.00	$0.05
Mammoth Bulbs	.20	2.20	15.00	.04
First Size Bulbs	.10	1.10	8.00	.03
Second Size Bulbs	.07	.75	5.00	.02

GLOXINIAS

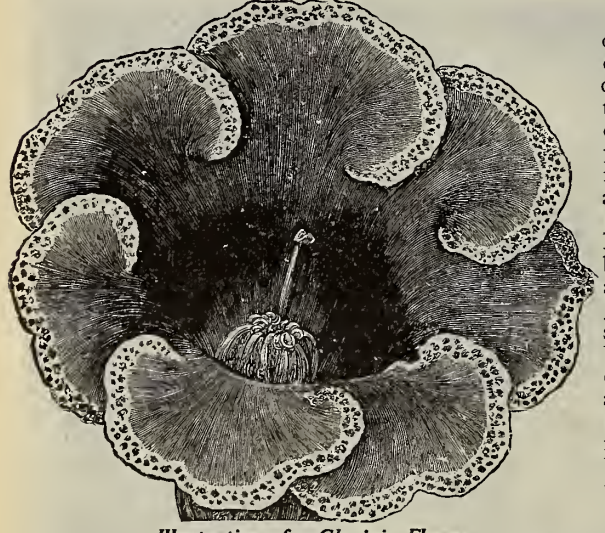


Illustration of a Gloxinia Flower

A gorgeous plant either for conservatory or garden. They prefer a moist soil and a shady situation. Bulbs may be started as early as January but should not be set outdoors until after May 15th. Bulbs must be lifted in the fall.

	Each	Doz.	100
Waterloo. Deep purple	$0.20	$2.00	$15.00
Meteor. Carmine, edged white	.20	2.00	15.00
Graf Zeppelin. Carmine fringed	.20	2.00	15.00
Nixe. White, bordered blue	.20	2.00	15.00
Marienthaler Kind. Deep crimson	.20	2.00	15.00

Unnamed varieties in the following colors: Red and Scarlet, White, Blue, White Spotted Scarlet, Scarlet Bordered White, Blue Bordered White. 15c. each; per doz., $1.50; $10.00 per 100.

Mixed Colors, 10c. each; per doz., $1.00; $6.00 per 100.

Single bulbs mailed free; for dozen lots add 10c. for postage.

FANCY LEAVED CALADIUMS

(*Ready in March*)

Most charming conservatory plants. Being of tropical nature, they like a warm temperature. They do quite well outdoors during the summer, if planted in a sheltered, shaded place. The foliage covers a wide range of colors, and makes a grand display.

Fancy Leaved Caladium

Aguape. One of the grandest. Vivid red, transparent.

Alfred Mame. Velvety red. One of the rarest sorts.

Dr. Augusto de Castro. One of the best. Red, white and green.

Hermione. Rosy-red, ribs bright red, narrow green border.

John Peed. Glowing red centre, narrow green border.

L'Automne, Creamy-white, transparent bluish spots.

Marie Carola (New). Golden green, spotted densely with red, centre suffused with golden yellow.

Marmoratum (Alocasia Puezli). Glaucous green, white spots.

Stephen Girard. Green, marbled white, red ribs. Rare.

Triguara. Entirely red, with bronze reflections, ribs brilliant red.

White Flag. White.

Any of the above named sorts, 25c. each; doz., $2.50; 100, $17.50.

Mixed Varieties. 20c. each; doz., $2.00; $15.00 per 100.

CALLAS

Elliottiana (Yellow Calla). This beautiful novelty should be extensively planted. The contrast of the golden yellow flowers placed among other blooms and foliage is truly remarkable, making a beautiful sight. The spotted foliage shows the flower off, when using it as a pot plant, to a great effect In a short time this new variety will be wonderfully popular on account of its beauty and of its low price. 20c. each; doz., $2.00; $15.00 per 100.

Calla Elliottiana

	Each	Per doz
Black Callas	$0.15	$1.50
Spotted Callas	.10	1.00

The above Callas make very useful summer blooming plants, the spotted variety may be treated somewhat like the white, winter blooming kind; the Black variety requires very little water until fully started.

Single bulbs of Callas postpaid; if dozen lots are wanted by mail, add 10c. for postage.

CANNAS. (See pages 114-115)

CYCAS REVOLUTA (Sago Palm)

These interesting as well as ornamental plants may be grown from the dormant (leafless) trunk or stem with great success. Fine strong, dormant stems, ready about March 1st. 15c. lb.; 5 lbs., 65c. Allow for postage if wanted by mail.

SUMMER HYACINTH

(Hyacinthus Candicans)

These are especially attractive, when planted in masses in solid beds or borders. In July and August they produce spikes about 2 feet long, which are covered with bell-shaped white flowers. They remain in bloom a long while and for that reason should be planted extensively. The bulbs should be taken up at the approach of winter and stored in a cool cellar. Handled in this manner the bulbs can be saved from year to year. Large bulbs, 5c. each; doz., 50c.; $3.50 per 100. If wanted by mail, add 15c. per doz. for postage.

Summer Hyacinth

ISMENE CALATHINA

(Pancratium Lily or Peruvian Daffodil)

One of the choicest of our summer flowering bulbs, blooming profusely during the entire season, flowers a beautiful waxy white and deliciously fragrant. Bulbs are not hardy and should be removed to the house in October. If desired, they can be flowered indoors by starting the bulbs about January 1st and treating somewhat like an Amaryllis. Large bulbs, 15c. each; doz., $1.50; $10.00 per 100. If desired by mail add 3c per bulb, and 20c. per doz. for postage.

Ismene

MONTBRETIA

A beautiful flowering bulb resembling a miniature Gladioli, absolutely hardy, and only effective if planted in masses from 50 to 100 bulbs in a clump. They are fine for cutting, being very showy, the orange scarlet and yellow shades being especially attractive. Height, 24 inches.

Montbretia

Crocosmiaeflora Type. Scarlet and yellow.
Aurantiaca. Deep golden yellow.
Etoile de Feu. Vermilion with yellow centre.
Pottsii. Large, orange scarlet.
Speciosa. Golden yellow.
Rayon d'Or. Light yellow, spotted brown.
Any of the above, 3c. each; doz., 30c.; 100, $2.25; 1000, $17.50. If wanted by mail add 5c. per doz. and 15c. per 100 for postage.

OXALIS (Summer Blooming)

Deppii. White, small flowers. 2c. each; doz., 15c.; 100, $1.00.
Lasiandra. Pink flowers. 2c. each; doz., 15c.; $1.00 per 100.

TUBEROSES

Beautiful pure white flowers appearing in August, of wonderful fragrance.
Excelsior Pearl. Pure white. 3c. each; doz., 25c.; 100, $1.50.
Excelsior Pearl. Mammoth bulbs. 5c. each; doz., 50c.; $3.00 per 100.
Albino. Single white. 5c. each; doz., 40c.; $2.50 per 100.
Single bulbs mailed free, add 10c. per doz. for mailing larger quantities.

LILY OF THE VALLEY

Clumps. For outdoors only. 25c. each; doz., $2.50; 100, $18.00.
Cold Storage, Michell's Fancy Giant Flowering. The finest procurable. These can be forced into flower in about 22 days; our stock is extra fine. 50 for $1.75; $3.00 per 100; 250 for $7.00.
(Cold storage Lily of the Valley, not supplied in quantities less than 50.)

FERN BALLS

(Dormant)

A very attractive novelty. Full cultural directions accompany each ball if asked for. Extra large size, 40c. each; per doz., $4.00.
Medium size, 30c. each; doz., $3.00.

MICHELL'S CANNAS

In Ordering Say if Roots or Plants are Wanted

NEWER VARIETIES

In August, September and October, our nurseries are aglow with color produced with thousands of cannas in bloom. These are grown by the acre in the best varieties.

Brilliant. Flowers of medium size, borne on solid trusses; the color is a pure golden yellow with two tongue-like petals of fiery red darting from the centre of the bloom; height, 4 feet, with green foliage. **Roots,** 15c. each; doz., $1.50; $10.00 per 100. **Strong plants** ready after May 1st, 20c. each; doz., $2.00; $15.00 per 100.

Dr. E. Ackerknecht. Deep carmine of a distinct shade, with light bronzy foliage; height, 4½ feet. **Roots,** 20c. each; doz., $2.00; $15.00 per 100. **Strong plants** ready May 1st, 30c. each; doz., $3.00; $20.00 per 100.

Eldorado. Very large flowers of a rich yellow, flamed red. Grows about 4 feet high; green foliage. **Roots,** 15c. each; doz., $1.50; $10.00 per 100. **Strong plants** ready after May 1st, 20c. each; doz., $2.00; $12.50 per 100.

Gladioflora. Remarkable for the unusual shape of the flowers, which resemble gladiolus blooms. Color vivid crimson, changing to carmine pink, with an uneven edge of gold on each petal; foliage green; height, 3 feet. **Roots,** 15c. each; doz., $1.50; $10.00 per 100. **Strong plants** ready after May 1st, 20c. each; doz., $2.00; $15.00 per 100.

Gustave Gumpper. A rich golden yellow flower of large size, borne on heavy trusses. It is a distinct shade, and no other variety of this color can be compared with it. Green foliage; height, 3½ to 4 feet. **Roots,** 20c. each; doz., $2.00; $15.00 per 100. **Strong plants** ready after May 1st, 30c. each; doz., $3.00; $22.50 per 100.

Louis Reverchon. A dark leaved large flowering cochineal-red variety. It is very free in flowering and will immediately win favor with Canna growers; height, 4½ feet. **Roots,** 15c. each; doz., $1.50; $10.00 per 100. **Strong plants** ready May 1st, 20c. each; doz., $2.00; $15.00 per 100.

Meteor. Of compact growth; broad green foliage, surmounted with large heads of bright red flowers; grows about 4½ feet high. **Roots,** 20c. each; doz., $1.50; $10.00 per 100. **Strong plants** ready after May 1st, 25c. each; doz., $2.50; $17.50 per 100.

Minnehaha. Blossoms are extra large and come in great clusters, petals are long, gracefully curved and have wavy edges. The coloring of this flower is superb, transparent sea shell deepening through shades of cream and gold, to a centre of peach-blow pink; foliage green; height, 4 feet. **Roots,** 15c. each; doz., $1.50; $10.00 per 100. **Strong plants** ready after May 1st, 20c. each; doz., $2.00; $15.00 per 100.

Mont Blanc (Improved). Creamy white, large flowers; shows off to best advantage when massed as a centre planting, surrounded by other varieties; green foliage; height, about 4 feet. **Roots,** 15c. each; doz., $1.25; $8.00 per 100. **Strong plants** ready May 1st, 20c. each; doz., $2.00; $12.50 per 100.

Mrs. Alfred F. Conard. The greatest achievement in the line of cannas of the modern age. The gigantic flowers, which are borne in immense clusters on stalks often 5 and 6 feet tall, are of a delightful salmon pink, a shade which becomes more brilliant as the flower develops and which has never before been approached in cannas. The foliage is light green and grows almost to the flower, presenting a splendid contrast. **Roots,** 20c. each; doz., $2.00; $15.00 per 100. **Strong plants** ready after May 1st, 30c. each; doz., $3.00; $20.00 per 100.

Pink Beauty of Hungaria. The plant habit is rather dwarf and of compact growth. The magnificent trusses of rich peach blossom pink are the finest imaginable. It is a free, early and continuous bloomer, lasting right up to November in the latitude of Philadelphia. The shade is one that will immediately arrest the eye and really must be seen to be appreciated. A large block of these, growing at our nurseries the past summer, caused great excitement. Everyone, who saw them, stood in bewilderment at their marvelous richness and beauty. The foliage is a rich green and very massive. Our stock is limited and we advise all, who want the finest pink large-flowering Canna in existence, to order at once. **Roots,** 20c. each; doz., $2.00; $15.00 per 100. **Strong plants** ready after May 1st, 30c. each; doz., $3.00; $20.00 per 100.

Rosea Gigantea. A wonderful novelty, the largest of all cannas in existence; color, a rich rose pink; flowers free, foliage green; height, 4 feet. **Roots,** 15c. each; doz., $1.25; $8.00 per 100. **Strong plants** ready after May 1st, 20c. each; doz., $2.00; $15.00 per 100.

Venus. Rosy pink with a mottled border of creamy yellow; flowers abundantly with heads erect; foliage green; height, 4 feet. **Roots,** 15c. each; doz., $1.50; $10.00 per 100. **Strong plants** ready after May 1st, 20c. each; doz., $2.00; 100, $15.00.

Wawa. A real good pink. The plants are medium dwarf, about 3 feet; flowers in immense clusters over rich green foliage. **Roots,** 15c. each; doz., $1.50; $10.00 per 100. **Strong plants** ready after May 1st, 20c. each; doz., $2.00; 100, $15.00.

Wyoming. Deep bronze foliage, with large flower heads of a beautiful orange shade. This variety rivals with King Humbert; height about 4 feet. **Roots,** 15c. each; doz., $1.25; $8.00 per 100. **Strong plants** ready May 1st, 25c. each; doz., $2.50; $15.00 per 100.

These Newer Varieties of Cannas we will furnish in roots as far as possible. When roots are exhausted we will supply plants after May 1st (at the prices noted).

Note.—If Canna Roots are wanted by parcel post, add 10c. per doz. for mailing charges; plants travel best by express.

MICHELL'S "DISTINCTIVE" CANNAS

STANDARD LARGE FLOWERING VARIETIES

NOTE.—Our prices are for dormant roots in strong divisions of two and three eyes. After May 1st our stock of roots is usually sold, at which time we can fill orders with well-developed plants of any variety on this page (except where noted). 20c. each; doz., $1.50; per 100, $10.00. Price of roots (except where noted), 15c. each; doz., $1.25; $8.00 per 100.

RED AND CRIMSON

King Humbert. Truly a king among the cannas, its majestic growth is doubly enhanced by a massive coppery scarlet flower and the broad deep bronze foliage. It grows 4 feet high and is splendid either as a centre, edged with a dwarf yellow canna or *vice versa*, placing it around a centre of a tall yellow variety. Roots 15c. each; doz., $1.25; $9.00 per 100. Plants 20c. each; doz., $1.75; $12.50 per 100.

	Color of Foliage	Height
Alphonse Bouvier. Rich velvety red	green	6 feet
Brandywine. Very dark foliage, topped with a magnificent display of brilliant red flowers	bronze	4 "
Crimson Bedder. Dark red, fine shapely flowers in large trusses	green	4 "
Charles Henderson. Splendid, handsome trusses of large size. Extremely free-flowering	green	4 "
Egandale. A splendid bronze-leaved variety, with large cherry red flowers	bronze	4 "
Express. One of the most satisfactory dwarf crimson Cannas. A continuous bloomer.	green	2½ "
Wm. Saunders. Bright scarlet	bronze	4 "
President Meyer. Cherry red, fine truss..	bronze	4 "
Pres. McKinley. Brilliant crimson flowers; beautifully formed	deep green	3 "

CANNAS IN MIXTURE

Mixed Dwarf French. Containing the best sorts only. Each, 5c.; 50c. per doz.; per 100, $3.50.

Tall Sorts Mixed. Elegant varieties are included in this mixture. Each, 5c.; 50c. per doz.; per 100, $3.50.

ORNAMENTAL FOLIAGE CANNAS

Black Beauty (Improved). Effective. The leaves are enormous and of a rich deep bronze purple color. Height, 6 ft.

Robusta Perfecta.. Immense dark green leaves with small red flowers; height, 7 feet. Each, 8c.; 75c. doz.; 100, $5.00.

Musafolia. Named by its close resemblance to the old-fashioned Abyssinian Banana (Musa Ensete). The red flowers are small; green foliage. A grand variety for background of a border; height, 6 feet.

Price of any Cannas on this page, strong roots (except where noted), 15c. each; doz., $1.25; $8.00 per 100.

After May 1st we supply plants at 20c. each; doz., $1.50; $10.00 per 100, except for varieties as noted here and on page 114.

YELLOW AND WHITE SHADES

Alsace. Pale sulphur, changing to cream; green foliage.

Austria. A tall-growing variety with gigantic blooms of a satiny texture, pure golden yellow; 6 feet high; foliage green.

Gustave Gumpper (New). Golden yellow; of very large size; green foliage. Roots, 20c. each; doz., $2.00; $15.00 per 100.

Richard Wallace. A remarkably free bloomer, producing gigantic clusters of light yellow flowers. It stands quite erect, about 4 feet high and is one of the best yellow cannas on our list; green foliage.

PINK

Minnehaha (New). Very light pink, shaded peach. Foliage green; 4 ft. Roots, 15c. each; doz., $1.50; $10.00 per 100.

Mrs. Alfred F. Conard (New). A beautiful salmon pink. Foliage green; 5 to 6 ft. Roots, 20c. each; doz., $2.00; per 100, $15.00.

Pink Beauty of Hungaria (New). Rich peach blossom pink. Large trusses. The finest dwarf pink variety. Green foliage. 3 feet. Roots, 20c. each; doz., $2.00; $15.00 per 100.

Rosea Gigantea (New). Rich rose pink; green foliage. Height, 4 ft. Roots, 15c. each; doz., $1.25; $8.00 per 100.

Venus (New). Rosy pink with mottled border of creamy yellow; free bloomer; green foliage. Height, 4 ft. Roots, 15c. each; doz., $1.50; $10.00 per 100.

Wawa (New). A very soft shade of pink. Foliage green. 3 feet. Roots, 15c. each; doz., $1.50; $10.00 per 100.

	Color of Foliage	Height
Hiawatha. Rich rosy pink	variegated	3 feet
Mad. Berat. Brilliant pink	green	4 "

BICOLORED

Florence Vaughan. Yellow, spotted crimson	green	5 feet
Gladiator. Yellow, spotted red	green	4 "
Italia. Golden blotched crimson, orchid type..	green	5 "
Mme. Crozy. Scarlet, bordered yellow	green	3 "
Niagara. Rich crimson, edged gold	green	3 "
Queen Charlotte. Crimson, bordered gold	green	3 "

Brilliant (New). Pure golden yellow, with two tongue-like petals of fiery red. Foliage green; 4 feet. Roots, 15c. each; doz., $1.50; $10.00 per 100.

Gladio-Flora (New). Resembles a Gladiolus flower. A vivid crimson, changing to carmine pink, edged yellow. Foliage green; 3 feet. Roots, 15c. each; doz., $1.50; $10.00 per 100.

Halley's Comet (New). Blazing scarlet, with a fine yellow throat. Foliage green; height, 4 ft. Roots, 15c. each; doz., $1.50; $10.00 per 100.

Single roots of Cannas mailed free; allow 10c. per doz. for mailing.

(ha)

MICHELL'S SUPERB NEWER DAHLIAS

While we realize that there are far more varieties of Dahlias than what we offer, our effort has been confined to the best sorts which combine fine colorings, largest flowers and free blooming qualities. We furnish Dahlias in strong roots or tubers, except where plants are mentioned. **The roots are ready from January 1st on until stock is exhausted, after which time we furnish plants at the same price as roots. Plants do exceedingly well, flowering as early and as freely as roots. Dahlia plants are ready in May, at which time they can be set out up to July.**

Alice Roosevelt (Decorative). A beautiful clear ivory white; very early and free-flowering. 60c. each; doz., $6.00.

Aristed Gurtler (Cactus). Orange, suffused scarlet, darker towards the centre; very narrow petals. 25c. each; doz., $2.50.

Beloit (Decorative). Rich purplish garnet. Plants, 40c. each; doz., $4.00.

Comte de Lambert (Cactus). Rich carmine red. 25c. each; doz., $2.50.

Comte de Nodler (Collarette). Deep purple garnet, with yellow centre; collar rays yellow, shaded white at tips. 25c. each; doz., $2.50.

Dragon d'Or (Cactus). Light canary-yellow; very double, with broad petals. A fine cut flower. 15c. each; doz., $1.50.

Fernand Olivet (Cactus). Deep maroon, shaded scarlet, black centre; very free. 25c. each; doz., $2.50.

Gloire Lyonnaise (Decorative). Rich golden yellow, suffused carmine at the petal tips. 25c. each; doz., $2.50.

Goldland (Cactus). Primrose yellow of splendid form and free-flowering habit. 25c. each; doz., $2.50.

Golden West (Decorative). Large, well formed flowers of a pleasing canary-yellow shade. 40c. each; doz., $4.00.

Geisha (Paeony). A combination of scarlet and gold, so beautifully arranged, as to make one wonder, as to the possibilities of nature. The flowers vary, none being marked exactly alike. Plants, 40c. each; doz., $4.00.

John Wanamaker (Paeony). One of the largest and most handsome of Dahlias, being an exquisite shade of rosy lake, popularly called Orchid pink. As the flower develops, the color softens somewhat. It is really one of the finest. $2.00 each.

Lord Minto (Cactus). Of elegant form; the centre of the flower is sulphur yellow, while it shades off to beautiful salmon rose. 25c. each; doz., $2.50.

Le Grand Manitou (Decorative). Very large flower, white ground, striped, spotted and blotched reddish violet. 35c. each; doz., $3.50.

Mauve Queen (Cactus). Long incurved petals; clear mauve, shaded lighter toward the centre. 25c. each; doz., $2.50.

Mont Blanc (Decorative). Cream white; large perfect flowers on stiff stems. 30c. each; doz., $3.00.

Mrs. C. W. Basset (Decorative). Delicate mauve pink of exquisite form and habit; fine cut flower variety. 25c. each; doz., $2.50.

Mrs. Henry R. Wirth (Cactus). Rich brilliant scarlet, of wonderful free-flowering habit. 35c. each; doz., $3.50.

Mrs. J. Gardner Cassatt (Show). One of the finest ever introduced. Deep rose pink; splendid cut flower on long stiff stems. 25c. each; doz., $2.50.

Mrs. Roosevelt (Show). The color, an exquisite daybreak pink, with white centre, is not approached by any other sort. The flowers are gigantic on long, stiff stems. Plants, 30c. each; doz., $3.00.

Nerissa (Pompon). Beautiful mauve pink of brilliant shade; very free-flowering. 25c. each; doz., $2.50.

Phenomene (Decorative). Beautiful form; color is most exquisite, being clear straw, suffused rose. 30c. each; doz., $3.00.

Phoenix (Cactus). Rich carmine red; very large flowers; well-formed. 25c. each; doz., $2.50.

Rene Cayeux (Cactus). Rich glowing red; a wonderful free bloomer, having at times anywhere from 50 to 100 flowers on a plant. 25c. each; doz., $2.50.

Rev. T. W. Jamison (Cactus). A giant flower, with long incurved petals; bright pink with a salmon base. 25c. each; doz., $2.50.

Show Dahlia Mrs. J. Gardner Cassatt

Rhein Konig (Cactus). A splendid exhibition variety; glistening snowy white flowers are frequently 6 inches in diameter. 25c. each; doz., $2.50.

Rheingau (Cactus). A giant flower, resembling somewhat a Paeony-flowered Dahlia. Rich brilliant scarlet. 25c. each; doz., $2.50.

Reverend H. J. Kitchen (Paeony). Delicate mauve pink, blotched and marked yellow; a large flower; very free. 30c. each; doz., $3.00.

Souvenir de Chabanne (Collarette). Golden yellow, suffused brilliant scarlet; an odd combination. 20c. each; doz., $2.00.

Success (Cactus). Very light canary-yellow, with fine needle-like petals. Remarkably free and a Dahlia that will please. 20c. each; doz., $2.00.

Thais (Cactus). Pure white, suffused delicate mauve. A grand variety and one that will please a critical Dahlia grower. 50c. each; doz., $5.00.

Tricolor (Cactus). The ground is golden yellow, while each petal is marked scarlet. As the flower develops, a suffusion of rosy white appears on the petal tip. 35c. each; doz., $3.50.

Wodan (Cactus). Of gigantic size, measuring often 6 inches and more in diameter. Beautiful salmon rose, shaded gold towards the centre. 25c. each; doz., $2.50.

If wanted by mail allow 5c. per root for Parcel Post. We send out extra large dahlia roots (ha)

Decorative Dahlia—Kaiserin Augusta Victoria

SCARLET AND RED SHADES

Admiral Dewey. Brilliant imperial purple of finest form.
Augusta Nonin. A large superb flower, clear scarlet; a beautiful form on long stems. 20c. each; doz., $2.00.
Beauty of Brentwood. Plum, striped maroon; very fine.
Black Beauty. A beautiful dark velvety maroon. Of distinct form.
Catherine Duer. Bright iridescent scarlet; very large.
Claribel. Bright purple; very large, long stem, fine for cutting.
Cuban Giant. A very fine variety in every way; very free and a dark glowing crimson color. One of the best of its color.
Frank L. Bassett. Bright royal purple, shading to blue; very fine.
Jack Rose. Rich crimson, of perfect form; large flowers on stiff, wiry stems.
Jumbo. A gigantic flower; very deep scarlet.
Lyndhurst. Bright scarlet; a great bloomer; fine for cutting.
Maid of Kent. Cherry red, tipped white.
Mephisto. Very large, bright rich vermilion scarlet.
Mrs. C. L. Seybold. Crimson carmine, with a white tip; a beautiful flower.
Souvenir de Gustave Douzan. The largest decorative Dahlia, measuring often 8 inches across; a beautiful shade of red. 20c. each; doz., $2.00.
Wm. Agnew. Glistening scarlet crimson; very large; of perfect form; splendid for cutting.
Zulu (The Black Dahlia). Jet black, changing to deep maroon, as the flower expands.

PINK SHADES

Delice. A beautiful true shade of pink; large flowers on long; rigid stems. 25c. each; doz., $2.50.
Dr. Gates. Soft bright pink of an exquisite shade; fine cut flower.
Eureka. Very large, of perfect form; deep clear rose; edged light pink.

PRICES OF DAHLIAS

All varieties on this page, unless otherwise noted, 15c. each; doz., $1.50. (Plants same price.)

PINK SHADES—*Continued*

Jeanne Charmet. An immense flower, deep rich pink, slightly edged crimson. 20c. each; doz., $2.00.
La France. Brilliant rose pink; a very large flower.
Madame Vanden Dael. Shell pink, shaded deep rose; of perfect form. 20c. each; doz., $2.00.
Miss Nellie Stewart. Dark centre, shading to pink at the petal tips.
Nymphaea. Light pink, shading to white towards centre.
Sylvia. White, shaded soft pink towards the centre.
Virginia Maule. Large flower, delicate pink, with a white centre; extremely fine. 20c. each; doz., $2.00.

WHITE SHADES

Flora. Very large flowers, with narrow petals; pure white. 20c. each; doz., $2.00.
Henry Patrick. A superb pure white flower of large size.
Kaiserin Augusta Victoria. The earliest and one of the best white decorative Dahlias; large, flat, open flowers of purest white, on stout, erect stems. 20c. each; doz., $2.00.
Mad. A. Lumiere. Pure white, tipped violet red; a very distinct combination of colors. 25c. each; doz., $2.50.
Marchioness of Bute. White, heavily tipped carmine.
Mrs. Winters. Very large; finely formed; snow-white.
Perle de Lyon. An exceptional free bloomer; clear white, with clefted petals. 25c. each; doz., $2.50.
Perle d'Or. Exquisite pure white; very large flowers on long stems; a good sort for cutting.

YELLOW SHADES

Clifford W. Bruton. Rich golden yellow; perfectly formed flowers, that are produced in profusion.
Denver. Resembles Madame Vanden Dael, except for color, which is yellow, with a red shade.
Golden Wedding. Very large clear yellow flower on long graceful stems. 20c. each; doz., $2.00.
Miss Minnie McCullough. Soft yellow, overlaid bronze.
Mrs. Chas. Turner. Pure yellow of immense size. A strong grower and profuse bloomer.
Orange King. Rich glowing orange; an early and profuse bloomer.
Salmon Queen. A large flower; soft salmon.
Yellow Colosse. Pure canary yellow; free flowering; of compact growth. 20c. each; doz., $2.00.
Yellow Duke. A giant flower, frequently 7 inches across; pure canary yellow. 20c. each; doz., $2.00.

CANNAS, DAHLIAS AND GLADIOLUS

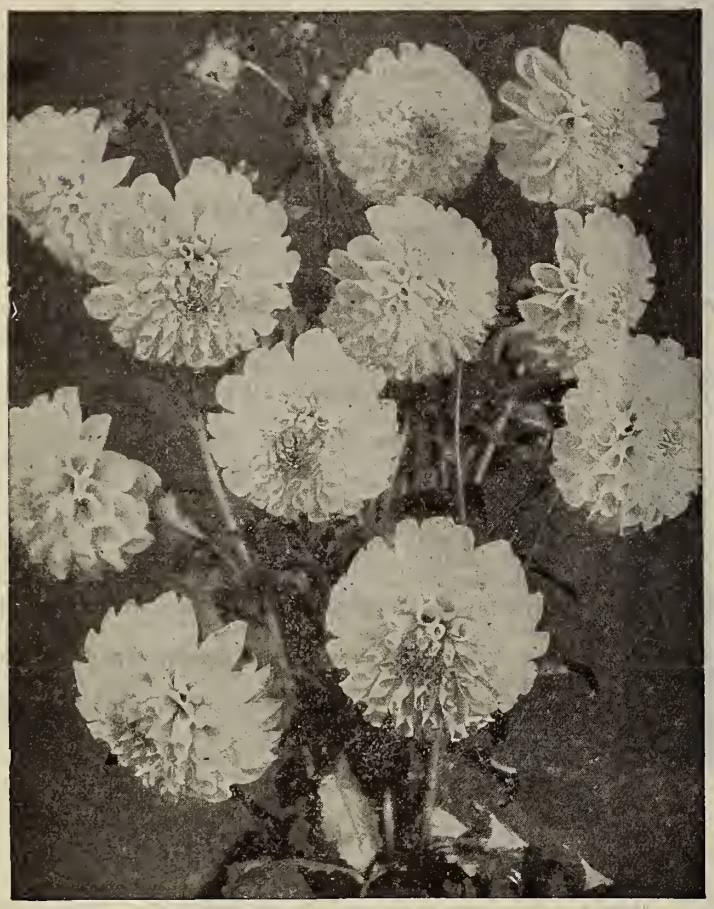
Is the title of a book we have issued. It contains an interesting description of each variety of these in our Catalog and in addition most comprehensive cultural directions. This book is free for the asking.

NOTICE

It sometimes occurs as the season advances that we are not able to deliver field roots, in which cases we send out strong thrifty plants at the same price. These give equally good results, blooming the same season. Dahlia Plants ready in May.

If wanted by mail allow 5c. each for parcel post on Dahlias, as we send out extra strong roots (ha)

MICHELL'S CHOICE DOUBLE, SHOW AND FANCY DAHLIAS



Show Double Dahlia Mrs. Roosevelt, see page 116

RED SHADES

Crimson Globe. Very large of globular form; deep crimson, with a high, full centre.
Frank Goodman. Rich purple, tipped white; very distinct.
Frank Smith. Rich dark purple maroon, tipped pinkish white. 20c. each; doz., $2.00.
Jamaica. Very deep rich purple, shaded maroon.
James Vick. Rich plum color; a profuse bloomer.
Keystone. Pink, striped crimson; very large and fine.
Lieberheimer. Bright red, tipped white.
Mrs. N. Nalls. Scarlet, tipped white, very showy.
Paul's Scarlet. A very bright shade of red.
Red Hussar. Bright red; very showy and free-flowering.
Rudolph Kuhl. Velvety maroon, tipped white.
Willie Garrett. Rich crimson scarlet of perfect form; profuse bloomer.

PINK SHADES

A. D. Livoni. Beautiful clear pink; free-flowering; fine form.
Agent. Delicate soft pink; flowers are perfectly formed.
Adolph Pfefferhorn. Rosy crimson.
Caleb Powers. Delicate pink, with white centre; perfect flowers. 35c. each; doz., $3.50.
David Johnson. A distinct unique flower, salmon rose; very large. 20c. each; doz., $2.00.
Dorothy Peacock. Delicate rose pink, with a full white centre; one of the best of the newer sorts. 30c. each; doz., $3.00.
Eloise. Blush pink, shaded white, while each petal is margined deep crimson. 20c. each; doz., $2.00.
John Thorpe. Soft rich pink; fine cut flower.
Miss Alice King. Ivory white, shaded and edged soft pink.
Modesty. Delicate blush pink; one of the best doubles.
Olympia. Of immense size, frequently 7 inches across; deep rose pink, striped crimson.
Progress. Clear soft rosy lake, pencilled and spotted crimson. Under artificial light it shows up pink.
Susan. Delicate shell pink; remarkably free-flowering habit. 20c. each; doz., $2.00.

Price of any Dahlias on this page (except where noted) 15c. each; doz., $1.50; $10.00 per 100.

WHITE SHADES

Beauty. Pure white, perfect flowers; fine for cutting.
Camellia Alba. Fine dwarf variety, with pure white flowers.
Carol. Pure white, tinted delicate pink.
Dreer's White. A splendid pure white variety of the most beautiful form. 25c. each; doz., $2.50.
John Walker. An excellent, pure white, large flowered type; makes a splendid cut bloom.
Madame Heinrich Furtado. Flowers of perfect shape, borne on long, stiff stems; pure white. 30c. each; doz., $3.00.
Penelope. Pure white, blotched lavender.
Princess Bonnie. Very large, pure white.
Purity. Pure white flowers of perfect form; very double.
Storm King. Large flowers on dwarf plants; pure white. 20c. each; doz., $2.00.
White Swan. Very double; pure white, with long stems.
W. W. Rawson. Pure white, flushed amethyst; very large flower. 35c. each; doz., $3.50.

YELLOW SHADES

Alice Emily. Pure yellow; very double; fine cut flower.
Arabella. Pale primrose, tipped and shaded rose.
Chas. Lanier. Amber, shaded buff; enormous flowers and one of the freest bloomers. 20c. each; doz., $2.00.
Lemon Beauty. Beautiful soft shade of lemon-yellow.
Lucy Fawcett. Sulphur yellow, striped carmine rose; an attractive cut flower variety. 20c. each; doz., $2.00.
Miss Dodd. Very large; pure yellow.
Princess Victoria. Rich canary-yellow; free bloomer.
Queen Victoria. Deep yellow; finely quilled form.

Show Dahlia, Mme. Heinrich Furtado

If Dahlias are wanted by mail allow 5c per root for postage, we send out extra strong roots. (ha)

Cactus Dahlia, Rene Cayeux

RED AND SCARLET SHADES

Amos Perry. Bright scarlet; petals are twisted, giving the flower a distinct appearance.
Atlanta. Very large, bright rich red, shaded deeper.
Burbank. Very rich brilliant dazzling red.
Earl of Pembroke. Plum colored, deeper towards the centre; fine cut flower.
Floradora. Distinct blood red; very free bloomer.
Gaillard. The best crimson scarlet Cactus Dahlia.
General Buller. Rich velvety crimson, tipped white; fine flower.
H. W. Sillem. Brilliant vermilion scarlet; long flower petals.
J. H. Jackson. Rich velvety maroon; flowers of a gigantic size.
Leuchtfeuer. Brilliant blood red; very free flowering.
Libelle. Purplish red; very free; fine for cutting.
Master Carl. Rich amber red. 20c. each; doz., $2.00.
Monsieur Quentin Bouchard. Bright scarlet, with cleft petals; the blooms are very large and borne on long, stiff stems. 20c. each; doz., $2.00.
Mrs. H. J. Jones. Brilliant scarlet, edged blush white; an exquisite flower of beautiful form. 20c. each; doz., $2.00.
Rene Cayeux. Rich glowing reds, produced with wonderful freedom. Can safely be called one of the best of the Cactus varieties. 25c. each; doz., $2.50.
Roland von Berlin. Brilliant scarlet flowers, borne on long, stiff stems; valuable for cutting.
Standard Bearer. Rich fiery scarlet; very free bloomer.
Strahlenkrone. Intense cardinal red; a perfect Cactus Dahlia.

PINK AND ROSE SHADES

Britannia. Deep shade of salmon pink.
Clara J. Stredwick. Salmon pink, shaded darker in the centre.
Comet. Silvery rose, speckled crimson.
Countess of Lonsdale. Very profuse bloomer, rich salmon pink.
Countess of Malmesbury. Delicate peach pink; free bloomer.
Island Queen. Soft lavender pink; a pleasing shade.

Price of all Dahlias on this page (except where noted), 15c. each; doz., $1.50; $10.00 per 100.

PINK AND ROSE SHADES—*Continued*

Kriemhielde. Delicate soft pink, with a distinct white centre.
Lovely. Violet rose, shaded white. 20c. each; doz., $2.00.
Mabel Tullock. Beautiful soft rosy pink.
Mad. Henry Cayeux. Bright rose, shaded white at the tips; fine cut flower; one of the best of the Cactus variety. 40c. each; doz., $4.00.
Mrs. James P. Mace. Light pink, shaded white; large flowers.
Pink Pearl. Delicate pink, suffused white in the centre.
Princess. Beautiful soft rose pink; large flowers.
Queen Alexandra. Rich salmon, suffused pink.
Rosa Superba. Fine bright pink; very exquisite.
Rosine. Dwarf habit; splendid bright rose flowers.
Ruth Forbes. Massive large flower; beautiful clear pink. 20c. each; doz., $2.00.
Victor von Scheffel. Delicate pink, shaded deeper rose.

WHITE SHADES

Alpha. White, spotted and flushed pink; very distinct.
Florence M. Stredwick. Pure white blooms; perfect form.
Keynes' White. Glistening white; a grand exhibition sort.
Lawine. White, shaded blush; a very fine cut flower. 20c. each; doz., $2.00.
Purity. Pure white flowers, with incurved petals.
Rheinkoenig. Giant flowers, measuring 5 to 6 inches across; glistening snowy white; a wonderful bloomer. 25c. each; doz., $2.50.
Spotless Queen. Pure white; extremely early and free-flowering.
Siegfried. Pure white flowers with twisted and incurved petals.
Venus. A miniature Cactus variety, with masses of pure white flowers.
Winsome. Considered one of the best white Cactus Dahlias.
Pius X. Very large; pure white, with a tint of sulphur yellow. 20c. each; doz., $2.00.

YELLOW SHADES

Amber Queen. Rich deep amber, with a slight trace of scarlet.
Cockatoo. Lemon-yellow, shaded rose with white centre.
Country Girl. Golden yellow, suffused salmon pink; a grand cut flower variety. 20c. each; doz., $2.00.
Dainty. Yellow, suffused pink; tipped gold.
F. H. Chapman. Yellow, shaded deep orange; bright and effective.
H. F. Robertson. Pure, deep yellow, with narrow petals.
Goliath. A superb flower; yellow, tinted reddish salmon; of perfect form. 20c. each; doz., $2.00.
Lyric. A fine yellow, with a slight shading of bronzy red.
Mary Farnsworth. Pure yellow, heavily tipped white.
Mary Service. Yellow and salmon, suffused lavender.
Mrs. Clinton. Deep salmon, shaded red towards the centre.
Mrs. De Luca. Golden yellow, tipped orange; free bloomer.
Mrs. Freeman Thomas. Clear yellow, shaded light orange.
Mrs. Ed. Mawley. Pale lemon yellow; of splendid form.
Mrs. J. J. Crowe. Clear canary-yellow; fine incurved type.
Osprey. Yellow, striped light scarlet.
Prince of Orange. Orange, shaded deeper yellow.
Prince of Yellows. Rich shade of canary yellow.
T. A. Havemeyer. Clear yellow, deepening to bronze in the centre; free bloomer. 20c. each; doz., $2.00.
The Pilot. Terra-cotta, shaded yellow at the base.

CANNAS, DAHLIAS AND GLADIOLUS
is the title of a booklet we have issued, covering the culture of the above popular subjects; mailed free or included with orders if asked for.

NOTICE
It sometimes occurs as the season advances that we are not able to deliver field roots, in which cases we send out strong thrifty plants at the same price. These give equally good results, blooming the same season. Dahlia Plants ready in May.

Dahlia plants are ready after May 1st (ha)

Paeony-Flowered Dahlia Bertha Von Suttner

Red, Scarlet and Crimson Paeony Dahlias

Cleopatra (*H.*). Oriental red, with yellow base.
Dr. Peary (*H.*). The finest of the dark-colored sorts. A rich velvety mahogany. (Plants.) 60c. each; doz., $6.00.
Duke Henry (*H.*). Brilliant crimson.
Geisha (*H.*). A most wonderful combination of rich red and yellow, producing an enormous flower. (Plants.) 40c. each; doz., $4.00.
Germania (*H.*). Bright crimson. 15c. each; doz., $1.50.
Herzog Heinrich (*H.*). Beautiful light red.
King Edward (*H.*). Rich purplish red; very large. (Plants.) 30c. each; doz., $3.00.
Mannheim (*H.*). A soft shade of orange red.
Paul Kruger (*H.*). Red, suffused with white; very fine.
Solfatare (*H.*). Carmine red with a yellow centre. Exceedingly brilliant.

Pink Paeony Dahlias

Andrew Carnegie (*H.*). Salmon pink, shaded bronze; looks like a giant sunflower. (Plants.) 40c. each; doz., $4.00.
Bertha von Suttner. Mammoth flowers, stout stems, delicate salmon color with a touch of yellow. (Plants.) 40c. each; doz., $4.00.
Glory of Baarn (*H.*). Soft pink, very large blooms, often measuring 7 inches.
H. Hornswelt (*H.*). A fine shade of salmon pink. One of the best of the Pæony Dahlias. (Plants.) 50c. each; doz., $5.00.
La Riante (*H.*). A fine rich pink variety.
Miss Gladys Dawson (*H.*). Soft salmon rose.
Queen Emma (*H.*). Soft rose pink; very delicate.

Price of any of the Paeony-flowered Dahlias on this page in strong roots (except where noted), 20c. each; doz., $2.00; $15.00 per 100.

White Paeony Dahlias

Cecilie (*H.*). Very large, creamy white; fine for cutting. (Plants.) 50c. each; doz., $5.00.
H. J. Lovink (*H.*). White, shaded lilac, of enormous size. (Plants.) 60c. each; doz., $6.00.
King Leopold (*H.*). Fine creamy white; large.
Queen Wilhelmina (*H.*). Large flower, pure white.
Schneewittchen (*H.*). The very finest of the pure white, Paeony-flowered types, should be in every collection; a free and continuous bloomer.

Yellow Paeony Dahlias

Caesar (*H.*). Beautiful flower of enormous size. Clear canary-yellow. (Plants.) 60c. each; doz., $6.00.
Glory of Groenekan (*H.*). A handsome shade of rich orange yellow.
Hugo de Vries (*H.*). Handsome combination of orange and brown, resulting in a beautiful flower.
P. W. Jannson (*H.*). Rich orange yellow, of a pleasing shade. 30c. each; doz., $3.00.

Price of any of the Paeony-flowered Dahlias on this page in strong roots (except where noted), 20c. each; doz., $2.00; $15.00 per 100.

Pompon Dahlia Philip Freud

Special Note

We have compiled an illustrated descriptive catalog on Dahlias, Cannas and Gladiolus.

Write or call for a free copy.

Pompon Dahlias

These are a miniature Double or Show Type. For dinner table decoration, design work or bedding, they are unusually attractive.
Alewine (*H.*). White, flushed pink, fine variety.
Allie Mourey (*H.*). Light pink, tipped deep pink.
Daybreak (*H.*). One of the best of the Pompon varieties. A soft delicate pink color.
Fairy Queen (*H.*). Sulphur yellow, edged deep pink.
Catherine. Primrose yellow; a beautiful flower.
Klein Domitea (*H.*). Salmon-buff; very profuse bloomer.
Darkness. Deep velvety maroon, almost black.
Philip Freud (*H.*). Rich orange salmon. Of perfect form.
Snowclad (*H.*). One of the best; perfect form; pure white.
Ware's Mars. Brilliant rich scarlet.

Price of any of the above Pompon Dahlias, 15c. each; doz., $1.50; $10.00 per 100.

Collarette Dahlia

Giant Single Dahlias

The varieties offered below are the best of this class. They are especially fine for cut flowers; profuse bloomers and of fine form and brilliant colors.

Alba Superba (*H.*). Very large, the best pure white.

Jack (*H.*). Fiery scarlet, base of petals being overlaid with golden yellow broad recurved petals; a prolific bloomer. 20c. each; doz., $2.00.

Mary (*H.*). Clear soft pink, beautiful form.

Twilight (*H.*). Soft lavender shade rich rose pink.

Big Chief (*H.*). Of enormous size; crimson, margined maroon.

Blackbird (*H.*). Black velvety maroon with a bright red spot at the base of each petal; fine for massing.

Gaillardia (*H.*). Golden yellow with a broad band of red around a yellow centre.

St. George (*H.*). Very large, pure yellow. The best yellow of its class.

Wildfire (*H.*). Intense brilliant scarlet; fine form and profuse bloomer.

Price of any of the above Single Dahlias (except where noted) in strong roots, 15c. each; doz., $1.50.

Century Dahlias

This comparatively new class of single Dahlias has quickly become a general favorite. Owing to their immense size and beautiful colors and shades, they are invaluable for cutting. The flowers often measure 6 inches in diameter and are borne on long stems.

Crimson Century (*H.*). Deep glowing crimson, tipped rose, with pink centre. 15c. each.; doz., $1.50.

Eckford Century (*H.*). Pure white, spotted, penciled and splashed crimson. 40c. each; doz., $4.00.

Fringed Century (*H.*). Bright rosy crimson, with fringed petals. 25c. each; doz., $2.50.

Collarette Dahlias

This beautiful type of Dahlia is rapidly becoming popular. It resembles the large single type and has in addition a distinct row of shorter petals around the centre. Blooms very freely.

Albert Maumene (*H.*). A beautiful shade of light pink, with a white and pink collar. Of very erect growth. 60c. each; doz., $6.00.

Director Rene Gerard (*H.*). Creamy white, suffused purple; collar creamy white; flowers very large. 50c. each; doz., $5.00.

Exposition de Lyon (*H.*). Rich garnet; collar white striped and splashed crimson. 20c. each; doz., $2.00.

Duchess Melzi d'Eril. Orange scarlet, suffused bright vermilion. Collar petals mottled blush white, violet and red. 25c. each; doz., $2.50.

Maurice Rivoire (*H.*). Blood red, darker towards centre. Collar white and fringed. 15c. each; doz., $1.50.

Mme. E. Poirer (*H.*). Deep purple, suffused lighter, which give a violet blue effect; white collar. 60c. each; doz., $6.00.

Mme. Gygax (*H.*). Bright cochineal red, with yellow tips. Long petaled collar of a primrose yellow shade. 40c. each; doz., $4.00.

Mons. Louis Ferard (*H.*). Deep claret, edged, tipped and blotched white. Collar of same color and with very long petals. 50c. each; doz., $5.00.

Signorina Rosa Esingrini (*H.*). Brilliant deep scarlet, suffused crimson. Yellow collar splashed red. A gorgeous flower. 50c. each; doz., $5.00.

Souvenir de Chavanne (*H.*). Golden yellow, suffused brilliant scarlet. Yellow collar, tipped creamy white. 20c. each; doz., $2.00.

Unnamed Dahlias

		Each	Doz.	100
Double	**White**	$0.12	$1.25	$9.00
"	**Red**	.12	1.25	9.00
"	**Yellow**	.12	1.25	9.00
"	**Mixed,** all colors	.10	1.00	7.50
"	**Pink**	.12	1.25	9.00
Single	**Mixed,** all colors	.10	1.00	7.00

GLADIOLUS, CANNAS AND DAHLIAS

A comprehensive treatise on these important popular flowers, giving up-to-date cultural instructions. This book is a separate edition from our Dahlia Catalogue. Free for the asking.

NOTICE

It sometimes occurs as the season advances that we are not able to deliver field roots, in which cases we send out strong thrifty plants at the same price. These give equally good results, blooming the same season.

Fringed Maroon Century (*H.*). Dark velvety maroon, with divided petals. 20c. each; doz., $2.00.

Gorgeous (*H.*). Brilliant dazzling scarlet with an occasional white stripe or a pure white petal. 15c. each; doz., $1.50.

Merry Widow (*H.*). A profuse bloomer. Deep scarlet. Very striking. 25c. each; doz., $2.50.

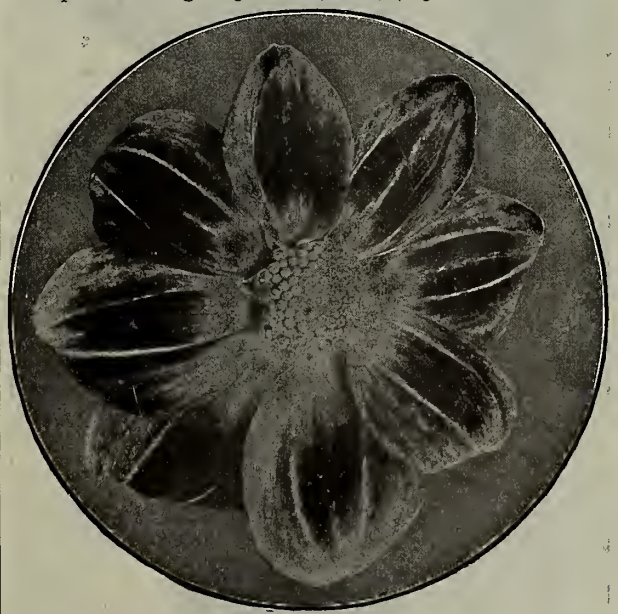
Pink Century (*H.*). Clear shell pink, suffused rose. 20c. each; doz., $2.00.

Rose Pink Century (*H.*). Enormous flower, very deep pink. 20c. each; doz., $2.00.

Souvenir de Franz Liszt (*H.*). Deep rich garnet. Very large flower. 15c. each; doz., $1.50.

Spanish Century (*P.*). Pure yellow, splashed and striped scarlet. 40c. each; doz., $4.00.

Twentieth Century (*H.*). Rosy crimson, shaded white. Towards end of the season is almost pure white, with a pink shading. 15c. each; doz., $1.50.



Twentieth Century Dahlia

Complete Descriptive Catalogue on Dahlias, Cannas and Gladiolus free on application.

A type of Michell's Giant Flowering Mixture of Gladiolus

MICHELL'S SUPERB GLADIOLUS (Bulbs)

What a wonderful stride this flower has made during recent years. Its popularity to-day is exceeded by few other flowers and it has by no means reached its limit. And there are good reasons for this popularity. Failure with this flower has never been known. They will grow in any open position and bloom well. They are not only showy in the garden but when cut with the first flower open will last for 10 days in the house. The newer colorings defy the choicest orchids. Plant bulbs 4 inches deep, 6 inches apart and stake when 2 feet high. Flowers appear from early July until late in the fall.

GOLD MEDAL STRAIN MIXTURES

This strain which is offered in mixtures of distinct shades originated with the celebrated Gladiolus Specialist, Mr. Groff, who after careful reselection considers what is offered as the Gold Medal Strain, the very cream of all his collection. In order to distinguish between the Gold and Silver Trophy Strain, we wish to state that the selection has been made along these lines, larger flowers, rarer colors, ideal stems and types of extended flowering period. These are equal to the best named varieties, but simply have never been christened.

Section 1. All shades and combinations of red, scarlet and crimson. Each 12c.; $1.00 per doz.; $7.00 per 100, by express collect.

Section 2. Contains all the finest shades of yellow, delicate pink, rose and white. Each 15c.; $1.50 per doz.; $10.00 per 100, by express collect.

Section 3. This embraces all the shades of blue, heliotrope, mauve, lilac and similar colors. (No smoky or slate blues.) Each, 20c.; $1.75 per doz.; $12.00 per 100 by express collect.

SILVER TROPHY STRAIN MIXTURES

Before the Gold Medal strain (mentioned above) was known, the mixtures under the title of Silver Trophy, were the choicest assortment of the same specialist. It constitutes to-day a very superior selection of what is generally known as mixture, and offers the opportunity to do one's planting in shades of the same character.

Section 1. This embraces all the shades of scarlet, red and crimson, care being taken to eliminate the objectionable ones. 5c. each; per doz., 40c.; $2.50 per 100.

Section 2. The cream of all the yellow, pink, white and light shaded colors. 7c. each; per doz., 60c.; $3.50 per 100.

Section 3. Lilac, heliotrope, violet and all the shades of light and dark blue compose this selection. The colors are most exquisite. 8c. each; per doz., 75c.; $5.00 per 100.

MICHELL'S MIXTURES OF GLADIOLUS

Giant Flowering Strain (see illustration). Every bulb for this mixture has been selected with utmost care for coloring, size of flower and purity, no other mixture can boast of such careful selection. It is principally grown in our own nursery. 5c. each; per doz., 50c.; $3.50 per 100; $30.00 per 1000.

	Each	Doz.	100	1000
Groff's New Hybrids. Extra fine	$0.04	$0.30	$2.00	$18.00
Lemoines Butterfly. Brilliant varieties	.04	.30	2.00	17.00
Childsii. A distinct mammoth type	.05	.50	2.75	25.00
Extra Choice. All colors mixed	.03	.30	1.50	12.00

UNNAMED GLADIOLUS (In Separate Colors)

	Each	Doz.	100	1000
White and Light Shades	$0.04	$0.35	$2.50	$20.00
Yellow in all Shades	.06	.65	4.50	40.00
Scarlet and Crimson	.04	.30	2.00	17.50
Pink and Rose	.04	.35	2.00	18.00
Striped and Variegated	.05	.40	3.00	25.00

SPECIAL COLLECTION OF NAMED GLADIOLUS

As an inducement to popularize the choicer named Gladiolus, we offer the following collections at attractive prices; for this reason the selection must be our own, customers may be sure, however, of getting a wide range of colors.

	Price
Collection No. 1.— 12 bulbs, 1 each of 12 varieties, our selection	$0.75
Collection No. 2.— 25 " 1 " 25 " " "	2.00
Collection No. 3.— 50 " 2 " 25 " " "	3.75
Collection No. 4.—100 " 4 " 25 " " "	7.25

GLADIOLUS, CANNAS AND DAHLIAS

A comprehensive treatise on these important popular flowers, giving up-to-date cultural instructions. Free for the asking.

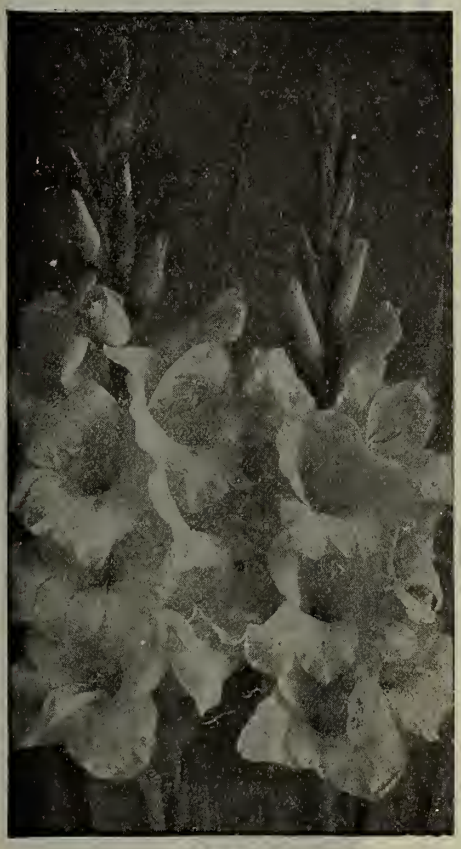
6 Bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates (hc)

MICHELL'S NAMED GLADIOLUS (Bulbs)

We can justly claim superiority for Michell's Gladiolus Bulbs, as many of them are grown in our own Nurseries, where we are able (due to the excellent soil) to produce plump, heavy bulbs, which are much superior to those grown usually on gladiolus farms.

CULTURAL HINTS ON GLADIOLUS

A sunny location is very essential. The soil should be one that has natural drainage, and should be thoroughly enriched with well-rotted manure. Set the bulbs out about May 1st. To get best effects, have about 6 inches of space between them They usually flower 90 days after planting. In order to have a succession of flowers until frost, make a planting about every 10 days, up to July 1st. It is advisable to purchase the bulbs at one time, as they are frequently not obtainable later in the season. While growing, bulbs should be thoroughly cultivated, and should be given a top-dressing of Sheep Manure and Bone Meal. As the bulbs begin to flower, plants should be supported with a suitable stake, to prevent them from breaking off.



America

America. A beautiful flesh pink, tinged with lavender. A variety of robust growth and easy cultivation. The flowers are very large and expanded; many being open at one time. Each 5c.; 50c. per doz.; per 100, $2.75.

Attraction. Immense flowers of a most pleasing deep rose, with white throat, this marking being very effective. Each 6c.; 60c. per doz.; per 100, $4.00.

Augusta. A lovely variety for the garden, producing graceful, slender stems, which are dressed entirely with open flowers of white, slightly tinged and striped pink. Each 6c.; 50c. per doz.; per 100, $2.75.

Baron Joseph Hulot. Deep indigo blue slightly marked white at the base of the throat; very attractive when arranged with yellow flowers in a vase. 6c. each; doz., 60c.; $3.50 per 100.

Brenchleyensis. Splendid for garden effects, as all the flowers appear at one time; vermilion scarlet color, ideal for planting in front of shrubbery. 3c. each; doz., 25c.; $1.75 per 100; 1000, $15.00.

Canary Bird. Canary yellow, a very massive spike closely set with flowers. 10c. each; doz., 90c.; $6.00 per 100.

Cardinal. A perfect spike and flower of intense cardinal red, very rich and showy, representing one of the finest varieties. Each 15c.; $1.35 per doz.; per 100, $10.00.

Contrast. One of the most showy of all gladiolus. The intense dazzling scarlet flower presents a striking contrast with a combination of a pure white band around each petal and a conspicuous marking of white in the throat; pleasing on sight. 40c. each; doz., $4.00.

Brilliant. Beautiful orange red, with carmine and white throat; a gigantic flower on a tall, stiff stem. It is one of the very best of the scarlet sorts and should be in every collection. 7c. each; doz., 65c.; $4.50 per 100.

Eugene Scribe. Large open flowers of a tender rose shade, blazed carmine. 8c. each; doz., 75c.; $5.00 per 100.

Hollandia. A distinct shade of beautiful orange yellow, producing long spikes covered with large individual flowers. It is one of the best for outdoor culture. 6c. each; doz., 60c.; $4.00 per 100.

George Paul. One of the largest flowering varieties, produced in great numbers on graceful, slender stems; color, rich crimson. 10c. each; doz., 85c.; $6.00 per 100.

Glory (*Kunderdi*). Introduced by us in 1911. It is the first of a new race with waved or ruffled petals, and this feature alone places it in a class all by itself. It has more vigor than any other variety, producing a broad deep green foliage with massive spikes, which in good garden soil grow 5½ feet high. The flower itself is very large, of creamy pink with a penciling of crimson in the throat. 10c. each; doz., $1.00; $6.00 per 100.

I. S. Hendrickson. A beautiful irregular mottling of white and rose; in some the pink and in others the white predominates; flowers immensely large. 10c. each; doz., 80c.; $6.00 per 100.

Jean Dieulafoy. One of the earliest to flower. The lovely creamy white blooms are decorated with a conspicuous blotch of red in the throat, which makes it very attractive. 12c. each; doz., $1.10; $8.00 per 100.

Kate. Blush white with a crimson throat. 10c. each; doz., 75c.; $5.00 per 100.

Klondyke. Clear primrose yellow with a crimson blotch in the throat, of dwarf habit. 6c. each; doz., 60c.; $4.00 per 100.

Pink Pearl (New). A medium sized flower arranged in a compact manner on a long erect spike. The blooms are of an exquisite shade of rich pink, while the throat is blotched distinct maroon. It is a beauty in every respect and will shortly become a favorite. 50c. each; doz., $5.00.

Lemon Drop. Light lemon yellow with a brighter yellow throat. 12c. each; doz., $1.00; $6.00 per 100.

May. A fine white delicately flecked crimson; a slender spike, extensively used for forcing. 5c each; doz., 50c.; $3.00 per 100.

Glory

MICHELL'S NAMED GLADIOLUS (Continued)

Mephistopheles

Mrs. H. B. Fullerton. Ruby red with white blotches; grand new variety. 50c. each; doz., $5.00.

Mrs. Francis King. A most beautiful flame pink. Immense flowers on a spike growing 4 feet high, with from 18 to 20 flowers, 6 to 8 being open at one time. Many of the bulbs produce two and three flower-spikes; a gem among gladiolus. 5c. each; doz., 50c.; $2.75 per 100.

Mrs. Frank Pendleton, Jr. One of the most exquisitely colored and formed gladiolus in our entire list. In addition, the size of bloom is not exceeded by any other. The color is a delicately flushed salmon pink, the color extending to the reverse side of the petal as well as in the centre. The blooms are wide open and are arranged individually on the very slender but wiry stems, which fall gracefully when arranged in vases. Each flower is doubly enhanced by a rich maroon blotch on the three lower petals. The most sensational gladioli novelty. 40c. each; doz., $4.00; $30.00 per 100.

Niagara. An entire new color in Gladiolus, to describe it intelligently one must imagine a shade of rich cream combined with canary yellow. The form and habit of this variety is exactly like America, except that the spike grows taller. The individual flowers are very large and borne in pairs opposite each other. 15c. each; doz., $1.50; $10.00 per 100.

Panama. On account of its habit, color and form, it is destined to become the most popular gladiolus in the near future. For form and habit, it has all the desirable features of the variety "America," but the wonderful color can best be described by comparing it with that of the popular rose, "Mrs. Jno. Laing," an incomparable rose pink. The spikes are tall and very robust and many flowers appear at one time. 25c. each; doz., $2.50; $17.50 per 100.

Mrs. Frank Pendleton

Nezinscott. Very brilliant scarlet with a deep red throat; a striking variety. 12c. each; doz., $1.00; $7.00 per 100.

Gladiolus Peace

Peace. A grand pure white flower with just a slight marking of a lilac feather on the lower petal. The plant is very robust, 5 feet high and shows the enormous flowers well placed all along the stem. 'Tis of wonderful vitality, being a splendid keeper when cut. "Peace" flowers mid-season and late, when the best of other gladiolus are gone. 20c. each; doz., $2.00; $12.50 per 100.

Pink Augusta. A grand new gladiolus, especially fine for bedding or cutting, it has all the fine characteristics of the "White Augusta," which is vigorous, has straight stems and is free blooming, and all flowers on a stem open at one time. The color is a pleasing pink and thereby fills a niche in the class of popular gladiolus. 6c. each; doz., 50c.; $2.75 per 100.

Princeps

Princeps. Amaryllis-shaped, gigantic flowers of a dazzling bright scarlet, marked with white on the lower petals. Two to three flowers open at one time. 8c. each; doz., 75c.; $5.00 per 100.

Primulinus (*Maid of the Mist*). One of the finest species from South Africa; a very thin, wiry, slender stem is decked with clear canary yellow flowers of medium size, of which but 2 or 3 are open at one time. The form of the blooms is exceedingly interesting; the upper petal being hooded, the attached two lower petals being expanded, gives it a striking appearance. For cutting or house decoration it is invaluable and most graceful. 20c. each; doz., $1.75; $13.50 per 100.

Primulinus Major Hybridus. From the original specie our grower has produced by crossing and re-crossing into the finest large flowering varieties an entire new form of gladiolus, all petals of which open wide and are of extra large size. From the purest and lightest of yellow, it varies to the deepest orange, and from the softest shade of salmon pink down to rich crimson; also a few white. Dainty blotches in the throat add to their beauty. They are borne on graceful slender stems. 6c. each; doz., 60c.; $4.50 per 100.

Rochester White. A splendid novelty, producing spikes 4 feet high, completely covered with wide open flowers of the purest white; the throat shows a light shading of whitish green, which really adds to the purity of the white. It is without doubt the finest pure white Gladiolus for cutting. 25c. each; doz., $2.50; $17.50 per 100.

Rose Spray. A giant Childsii type, pure white, with pink sprays or flakes. 10c. each; doz., 80c.; $6.00 per 100.

Rosella (*Kathryn*). A perfect orchid in color and texture; delicate cattleya pink, with white throat and veinings. Flowers are very large and many are open at one time. 12c. each; doz., $1.10; $8.00 per 100.

Scarsdale. Long, graceful spikes of wide open flowers of a very pleasing lavender shade; a most unique and distinct color. 10c. each; doz., $1.00; $8.00 per 100.

Scribe. An improvement over Eugene Scribe, the description of which will be found on page 123. It is the same color, but larger flower and longer spike. 10c. each; doz., 85c.; $6.50 per 100.

Shakespeare. A very dainty white, slightly suffused with rose. Well opened flowers on a long spike. Especially popular for forcing. 10c. each; doz., $1.00; 100, $7.50.

Sulphur King

Shakespeare

Sulphur King. This is without doubt the finest yellow gladiolus. It produces, on a very long spike, flowers of the clearest sulphur yellow. 20c. each; doz., $1.75; $12.00 per 100.

Sunlight. A very attractive flower of a bright crimson with yellow throat. 8c. each; doz., 60c.; $4.00 per 100.

Victory. Delicate sulphur yellow, lower petals shaded deeper and a bright maroon blotch on throat. 10c. each; doz., $1.00; $7.50 per 100.

Wild Rose. A most pleasing tint of pink resembling the single wild rose of the roadside; flowers very large and wide open. 15c. each; doz., $1.50; 100, $10.00.

Wm. Falconer. Beautiful light clear pink, spike of great length and flowers of enormous size. 10c. each; doz., $1.00; $7.00 per 100.

NOTE—Send for our special Catalog on Gladiolus, Cannas and Dahlias—mailed free.

MICHELL'S HARDY GARDEN LILIES

What garden could be called complete without a fair display of these stately flowers. Their graceful habits, their ability to adapt themselves to special locations and the variety of them to have flowers almost the entire summer makes them very valuable. Their culture is simple yet a few rules must be strictly observed to grow them successfully.

All lilies should be planted from 6 to 8 inches deep, the Japanese varieties even 12 inches deep, the bulbs themselves should be completely enveloped in sand; no manure should come in contact with the bulb, but may be placed 4 to 6 inches underneath, all loose petaled bulbs should be planted on their side instead of upright.

These are sometimes grown in pots for indoor blooming, in which case they are handled much like the Bermuda Easter Lily; we recommend, however, they should be grown exclusively outdoor.

Wild gardening, a feature becoming popular of late, gives lilies the foremost place.

In winter all lilies should have a protection of leaves or manure.

JAPANESE LILIES

Auratum (*Golden Banded Lily from Japan*). A variety planted most extensively; flowers of enormous size, measuring frequently 8 to 12 inches across; pure white, spotted crimson; each petal is marked in the centre with a band of yellow. The height varies according to location; it prefers a moist, cool well-drained soil. Flowers in August, delightfully fragrant; a single stem produces on an average from 8 to 15 flowers.

	Each	Doz.	100
Large Bulbs, 8 to 9 inch circ.	$0.15	$1.50	$10.00
Mammoth Bulbs, 9 " 11 " "	.20	2.00	15.00
Monster Bulbs, 11 " 13 " "	.30	3.25	20.00

Melpomene. Rich deep pink, spotted dark red; free blooming and robust in growth; very fragrant; height, 3½ feet; flowers in August.

	Each	Doz.	100
Large Bulbs, 8 to 9 inch circ.	$0.15	$1.50	$10.00
Mammoth Bulbs, 9 " 11 " "	.25	2.50	17.50

Speciosum Album. The best flowering pure white hardy garden lily, of easy culture. The slender graceful stems and foliage are set off to wonderful advantage by the glistening pure white blooms clustered from 6 to 10 around the stem; the petals recurve and show the prominent red piston in the centre; height, 4 feet; blooms August and Sept.

	Each	Doz.	100
Large Bulbs, 8 to 9 inch circ	$0.20	$2.00	$15.00
Mammoth Bulbs, 9 " 11 " "	.30	3.00	17.50

Speciosum Magnificum. An enormous flower rich deep pink, spotted crimson; the form of flower is recurved like "Speciosum Album"; this is one of the grandest of the Jap. varieties; height, 3 feet; flowers in August.

	Each	Doz.	100
Large Bulbs, 8 to 9 inch circ.	$0.15	$1.50	$10.00
Mammoth Bulbs, 9 " 11 " "	.25	2.50	15.00
Monster Bulbs, 11 " 13 " "	.30	3.00	20.00

Speciosum Rubrum or Roseum. Delicate pink, almost white, spotted red; one of the old garden favorites; very hardy; height, 3 feet; flowers in August and Sept.

	Each	Doz.	100
Large Bulbs, 8 to 9 inch circ.	$0.15	$1.50	$10.00
Mammoth Bulbs, 9 " 11 " "	.20	2.00	15.00
Monster Bulbs, 11 " 13 " "	.30	3.00	20.00

OLD FASHIONED TIGER LILIES

The improved Tiger Lily is one of the hardiest in cultivation, which succeeds and increases in all climates; splendid for naturalizing in groups and around shrubbery. The orange blossoms are heavily spotted maroon and borne in clusters of from 4 to 10 blooms on a straight heavy stalk, often 5 feet in height. Deep purple seed pods form on the axils of the leaves; blooms in July.

Tigrinum Splendens Simplex. *Mammoth bulbs* grown in Japan, 10c. each; doz., $1.00; $7.50 per 100.

Tigrinum Flore Pleno. A double form of the above, retaining its flower longer, otherwise is as above. *Mammoth bulbs* grown in Japan, 15c. each; doz., $1.50; $10.00 per 100.

CANNAS, DAHLIAS AND GLADIOLUS
is the title of a booklet we have issued, covering the culture of the above popular subjects; mailed free or included with orders if asked for.

Lilium Auratum

AMERICAN OR NATIVE LILIES

Brownii. Pure white inside; brown and purple outside. 50c. each; doz., $5.00.

	Each	Doz.	100
Canadense (*Canadian Bellflower Lily*). Bright yellow bell-shaped flowers; spotted black inside; June and July; 2 feet.	$0.10	$1.00	$7.50
Canadense Rubrum. Same as above, crimson with black spots	.20	1.75	12.50
Elegans, Painted Chief. Bright red flowering early June; 2 feet; large open flowers stand upright in clusters from 3 to 5 on a stout stem	.15	1.50	11.00
Elegans, Leonard Joerg. Rich apricot pink	.20	1.75	12.50
Hansoni. Often grows from 3 to 5 feet high, flowers reddish orange 8 to 12 in a cluster; petals thick and durable	.50	5.00	40.00
Henryi (*New and Rare*). Tall grower, often 7 feet; producing flowers of a distinct orange yellow in great profusion	.60	6.00	
Superbum. (*Turk's Cap Lily*). One of the best lilies for all purposes; will succeed everywhere; according to location, will grow from 3 to 6 feet high and produce from 5 to 45 nodding brilliant orange red flowers on a single stalk during July	.15	1.50	10.00
Tenuifolium (*Coral Lily*). Brilliant scarlet, bell-shaped flowers, of rather small size, hang downward on a small but gracefully formed tree-like plant; splendid for edges of borders, rockeries or cutting; foliage very slender; flowers in May	.15	1.50	10.00
Umbellatum. A showy, massive lily, flowering in June; the broad, open flowers appear upward from 5 to 8 on a stout stalk, 3 feet high; color, a glowing orange scarlet; most effective when planted in clumps	.15	1.50	10.00

6 Bulbs of any one variety at dozen rates; 25 at 100 rates; 250 at 1000 rates.

WATER LILIES, Etc.

Hardy Nymphaea

Associated with ornamental subtropical plants they lend a most pleasing and charming effect to the landscape. They are also valuable as cut flowers, especially the tender varieties, both day and night bloomers. The day bloomers furnish superb flowers on long stems in red, white and blue colors. The night blooming varieties possess a charm, distinct from all others, the colors varying from pure white to pink with shades of red, carmine and crimson, which are very brilliant under artificial light. They are of simple culture, requiring a moderately rich soil, water and sunshine. The hardy varieties should be planted in May in this latitude, and on until the middle of August. The tender Water Lilies should be planted about the first of June, when warm, settled weather is assured. Varieties marked A are of moderate growth, medium to small sized flowers, suitable for tubs and fountain basins. Varieties marked B are of compact growth, suitable for artificial ponds, pools, etc. Varieties marked C are of a spreading nature, suitable for large ponds and lakes and for naturalizing.

HARDY NYMPHAEAS

A **N. Aurora.** A unique variety, flowers soft rosy-yellow on first day, changing to deep red on the third day; stamens orange. 75c. each; $7.50 doz.

B **N. Gloriosa.** A superb variety with flowers 4 to 6 inches across, of a deep carmine-rose color. A free, continuous bloomer and a very desirable variety. $2.50 each.

B **N. Helen Fowler.** A natural cross of the Tuberosa type, strong and of vigorous growth; flowers are borne on stout stems, making it useful for cut purposes; color very deep pink and very fragrant. 75c. each.

B **N. James Brydon.** A superb variety, being a free grower with rosy crimson flowers 4 to 5 inches in diameter. $2.00 each.

A **N. Laydekeri Lilacea.** Flowers 3 to 5 inches across, rosy-lilac, shaded bright carmine, with a tea rose fragrance. 75c.

A **N. Laydekeri Purpurata.** A free-blooming variety; flowers medium sized, rosy crimson, orange stamens. 75c. each.

N. Marliacea Albida. Large pure white flowers, stamens light yellow, sepals flushed pink, fragrant. 50c. each; $5.00 per doz.

A **N. Marliacea Chromatella.** A free and vigorous grower, flowers 4 to 6 inches across, bright canary yellow, stamens deep yellow, leaves deep green, beautifully blotched with brown. One of the best. 75c. each; $7.50 per doz.

B **N. Marliacea Rosea.** Flowers large, deep rose color, young leaves, purplish red, changing to deep green. $1.00 each; doz., $10.00.

C **N. Odorata.** This is the fragrant Pond Lily of the northeastern United States; flowers white, 3 to 5 inches in diameter, stamens yellow, leaves dark green above, under surface deep red to reddish green; splendidly adapted for planting in quantity in natural ponds. 20c. each; doz., $2.00.

B **N. Odorata Sulphurea.** Flowers fragrant, 4 to 5 inches across; sulphur yellow, standing well above the water. 35c. each; doz., $3.50.

B **N. Paul Hariot.** A grand and magnificent flower of largest size, clear yellow with delicate shadings of red at base of petals, distinct and continuous flowering. $2.50 each.

B **N. Sioux.** Large flowers of rich brassy yellow, shaded red; petals lanceolate; stamens deep yellow, bronzy-green foliage, spotted reddish brown. $2.00 each.

C **N. Tuberosa Maxima.** Flowers medium size, cup shaped, pure white with strong fragrance. 20c. each; doz., $2.00.

C **N. Tuberosa Richardsoni.** Flowers white, 6 to 8 inches across, forming with its numerous petals a perfect globe when fully open. A most beautiful fragrant white Lily. 35c. each; doz., $3.50.

C **N. Tuberosa Rosea.** Flowers of an exquisite shade of pink, 4 to 5 inches across. 35c. each; doz., $3.50.

NELUMBIUMS

These are stately plants with bold massive peltate leaves on stout stalks 4 to 5 or more feet high and 2 to 3 feet across. They are perfectly hardy, provided the tubers are kept free from frost, but should not be transplanted before May.

N. Album Grandiflorum. Flowers are pure white, large and very beautiful and fragrant; very choice. $2.50 each.

N. Speciosum (Egyptian Lotus). Exquisite flowers of a beautiful rose color. $1.50 each; pot plants, $2.50 each.

TENDER WATER LILIES

N. Mrs. C. W. Ward. A hybrid of N. Gracilis. Flowers 6 to 8 inches across, on stout stems; rosy pink with golden yellow stamens. $2.00 each. (Day blooming.)

Nymphaea Capensis. Cape Blue Water Lily; flowers rich sky-blue, 6 to 8 inches across; sepals green outside, whitish within, flushed blue. A very desirable species and useful for cutting. 75c. each; doz., $7.50. (Day blooming.)

N. Dentata Improved. A seedling of Dentata, with flowers 6 to 8 inches across; pure white; blooming at night. 75c. each.

N. O'Marana. Flowers of the largest size; petals of a reddish pink with nearly white stripes up the centre. $1.50 each. (Night blooming.)

N. Pennsylvania. An improved N. Pulcherrima, the flowers being much larger in size and of a deeper, richer blue. $2.50 each. (Day blooming.)

N. Pulcherrima. Flowers light blue, 10 to 12 inches across; stamens yellow, sepals marked with black lines and dots, as are also the leaves on the under surface; free and continuous bloomer. $2.00 each. (Day blooming.)

N. Rubra. Flowers 6 to 8 inches across, of a deep purplish red. 75c. each. (Night blooming.)

N. William Stone. This variety has flowers 5 to 6 inches across, of a rich violet blue; stamens purple with yellow centre. $2.00 each. (Day blooming.)

N. Zanzibariensis. A superb variety of the deepest purple. Flowers 6 to 8 inches across; very fragrant; very desirable. $1.50 each. (Day blooming.)

N. Zanzibariensis Rosea. Flowers rose, of various shades; otherwise like the preceding. 75c. each. (Day blooming.)

VICTORIA REGIA (Royal Water Lily)

Victoria Lilies require much space to develop their monstrous leaves, which are often 5 feet across, with upturned rims 5 to 7 inches.

Victoria Regia. Well-known species. $7.50 and $10.00 each.

Victoria Trickeri.. A single plant often has from 10 to 15 well-developed leaves and frequently two flowers open at the same time. The flowers are white when first open, changing to deep rose the second day and have a strong fragrance not unlike a ripe Pineapple. The flowers open at night. Plants $7.50 and $10.00 each.

MISCELLANEOUS AQUATICS

C. Papyrus (Egyptian Paper). A very ornamental plant by the waterside. The triangular stems attain a height of 6 to 8 feet, surmounted with a tuft of long, thread-like leaves. 25c. and 50c. each. Clumps, $2.50 each.

Cyperus Alternifolius (Umbrella Palm). Attractive plant in water, or planted in moist ground. 15c. and 25c. each.

Eichhornia Crassipes Major (Water Hyacinths). An interesting floating plant, with dark, lustrous leaves and delicate rosy-lilac flowers on large spikes. 15c. each; doz., $1.50.

Jussiaea Longifolia. 2 to 3 feet high, producing numerous axillary flowers of a rich golden-yellow, somewhat like an Evening Primrose. A good plant for tubs or planting on edge of pond. 25c. each; doz., $2.50.

Limnanthemum Indicum (Water Snowflake). Lily-like plant, producing masses of snow-white flowers. 25c. each; $2.50 per doz.

Limnocharis Humboldti (Water Poppy). A very pretty aquatic plant, with floating leaves and large, yellow, Poppy-like flowers; desirable for aquariums. 15c. each; doz., $1.50.

Myriophyllum Proserpinacoides (Parrot Feather). Very fine fluffy foliage; ideal for aquariums. Strong plants, 10c. each; doz., $1.00.

NEW SCARLET BEDDING GERANIUM HELEN MICHELL

This charming Geranium (introduced by us in 1914) was named after the oldest daughter of the President of our house. It is by all odds the most brilliant and finest scarlet Geranium ever put on the market. The blooms are gigantic, the number of flower heads on the individual plant is remarkable. It is more vigorous and hardy than any Geranium we know of. It starts to flower early in May and continues uninterruptedly until cut down by frost. Even through the hot, dry weather it retains its brilliancy of color and great flowering qualities. It is of medium height, very compact, with lustrous, heavy foliage. The flowers are semi-double, while the individual florets are frequently 2 inches in diameter. The cut shown opposite is made from a photograph of a 4-inch pot plant. Our sales last season of this were remarkable and from all indications at the time this catalog was printed, it looks as though this year's sales will double those of last. As a pot specimen and for bedding, from the various tests it has undergone, it seems to be the peer of scarlets. The hotter and dryer the weather outdoors, the Helen Michell Geranium seems then to be at its best. We quote below a few of the many testimonials we received during the past season. This Geranium was the only new variety of plants awarded a certificate of merit at the National Flower Show, held in New York City, April, 1913.

A 4-inch pot plant of Helen Michell Geranium—Note the wonderful freedom of bloom

Prices of plants—2¼ in. pot size, 20c. each (postpaid); dozen, $1.50; $10.00 per 100. Four-inch pot plants ready in May, 25c. each; dozen, $2.50; $17.50 per 100. In ordering please state when you desire shipment made; otherwise we will forward as soon as plants are ready in order of rotation, as orders are received.

TESTIMONIALS ON GERANIUM "HELEN MICHELL"

Jenkintown, Pa.

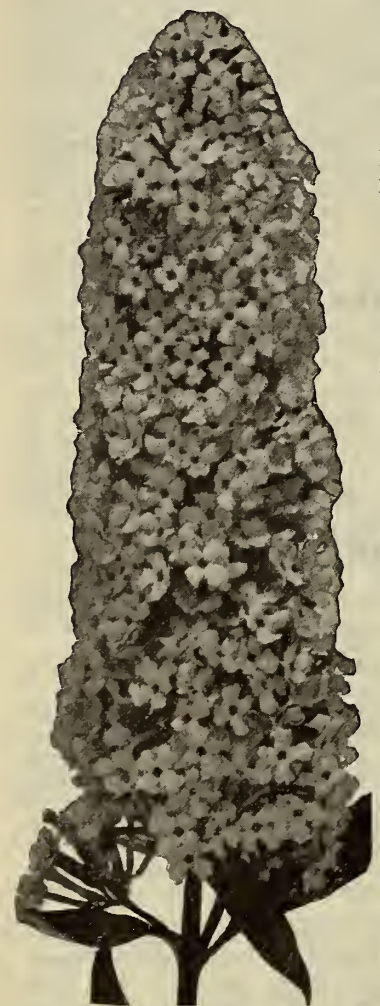
Having won the $50.00 gold prize, which you offered for the best 4-in. specimen plant of Geranium "Helen Michell" at the N. Y. exhibit, June 19, 1914, from all observations, I feel safe in saying that the variety is the freest bloomer and the best grower, surpassing any other geranium I know.

WM. ROBERTSON.
Gardener to John W. Pepper, Esq.

Office of Laurel Hill Cemetery, Philadelphia, Pa.

The Helen Michell Geraniums, purchased from you this year, gave us great satisfaction. It is a strong vigorous grower and a very free bloomer. We intend to plant it extensively next year.

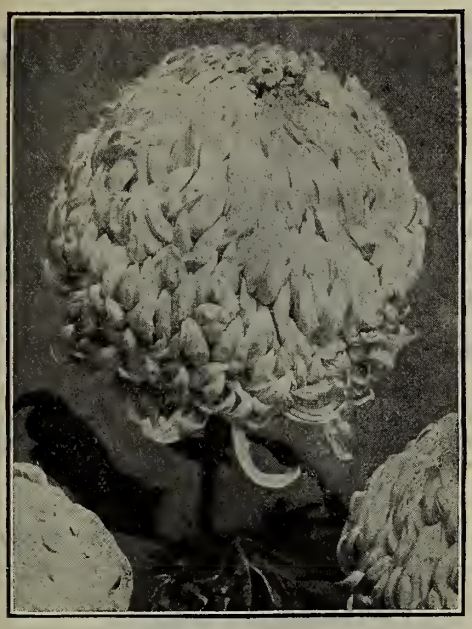
EDW. M. CAVANAUGH,
Supt. Gardener.



A Flower Head of Buddleya Asiatica

BUDDLEYA ASIATICA

The wide prominence gained by Buddleya Magnifica, otherwise known as Butterfly Bush (which we were responsible for) should establish for this white flowering variety a ready sale. In the latitude of Pennsylvania it is not hardy over winter, if planted outdoors, but as greenhouse shrub it is a novelty. Young plants which we offer here, can be set out in the spring and produce the first season specimens that will flower freely. On the approach of first frosts, the plants can be lifted and cut back and wintered over in a cool cellar. An occasional watering during winter, just enough to keep the plant alive, will enable one to set out a large plant the following spring and it can be handled the same way, year after year, unless new plants are made, which can be done by the cutting process. If one has a heated conservatory or greenhouse, the old plants, referred to, can be started January 15th. By Easter or after they should bloom. The temperature that suits Carnations will answer for Buddleya Asiatica. It produces long spikes of white scented flowers, similar to the odor of Lilacs. We sent a number of these plants to the south, but have not been able to ascertain that they were hardy. It is our belief though that with winter protection the plants will winter below Virginia without loss. Strong plants in 2½-inch pots, 35c. each; dozen, $3.50; $25.00 per 100.



Chrysanthemum—Early Frost

CARNATIONS

Laura Weber (Weber) (T). A lovely shade of pink, not quite as deep as Gloriosa, but deeper than Enchantress Supreme; a color that literally glows under artificial light, and which does not fade at the edges of the petals as so many of this shade are prone to do. Laura Weber can be shipped one thousand miles and arrive in perfect condition. In addition to the exquisite color, the growth is particularly free and robust, persistent in flowering, with blooms averaging about 3½ inches across. **Rooted cuttings:** Each, 25c.; doz., $2.50; 25 for $4.00; $15.00 per 100. **2½-inch pot plants:** Each, 35c.; doz., $3.00; 25 for $5.50; 100, $20.00.

Mrs. Alice Coombs (Roper) (T). Splendid light pink of Gloriosa shade; a fine, strong grower that has already proved its worth on the exhibition table. Very stiff stem and wonderfully free. **Rooted cuttings:** Each, 25c.; doz., $2.50; 25 for $4.00; $15.00 per 100. **2½-inch pot plants:** Each, 30c.; doz., $3.00; 25 for $4.00; $15.00 per 100.

Sensation (Dorner) (P). Flowers extremely large, averaging 4 to 4½ inches across. Color is a well defined pink; growth is very strong, with heavy, healthy foliage. Has long, stiff stem and fine keeping and shipping qualities. **Rooted cuttings:** Each, 25c.; doz., $2.25; 25 for $4.25; $16.00 per 100. **2¼-inch pot plants:** Each, 35c.; doz., $3.00; 25 for $5.50; $20.00 per 100.

Good Cheer (Dorner) (P). Color deep pink; stems extra long and stiff; size of flower 3 to 3½ inches across; growth strong and free, making well-shaped plants. **Rooted cuttings:** Each, 25c.; doz., $2.25; 25 for $4.25; $16.00 per 100. **2¼-inch pot plants:** Each, 35c.; doz., $3.00; 25 for $5.50; $20.00 per 100.

Alice (Fisher) (S). Color beautiful shade of clear blush pink; habit of the plant all that can be desired. **Rooted cuttings:** Each, 25c.; doz., $2.25; 25 for $4.25; $16.00 per 100. **2¼-inch pot plants:** Each, 35c.; doz., $3.00; 25 for $5.50; $20.00 per 100.

CHRYSANTHEMUMS (*P*)

Early Frost (Dorner). A very early fine white variety, a cross between Golden Glow and October Frost. Height, 3 feet. Pure white, with incurved petals of perfect form and full to the center. It has the habit of Golden Glow to set early buds, which develop into large blooms. **2¼-inch** pot plants, 30c. each; doz., $2.50; $20.00 per 100.

Golden Queen (Smith). A fine yellow, the same shade as Golden Glow, maturing early in October. It is a seedling from Chrysolora, but much superior, being 10 days earlier; of fine incurved form; very double. The best bud should be taken August 10th; 6 inches in diameter; 3½ feet high. 2¼-inch pot plants, 75c. each; doz., $7.50; $45.00 per 100.

Marigold (Smith). The most phenomenal yellow Chrysanthemum in existence, brighter than Golden Wedding. Wonderful exhibition flower, invariably 9 inches in diameter; matures October 15th, growing 5 feet high. The best buds are secured the latter half of August. 2¼-inch pot plants, 75c. each; doz., $7.50; $45.00 per 100.

Modello (Smith). A variety of striking color, resembling golden bronze or amber. It is of huge size, growing 4 feet high, maturing the first week in November; buds selected early in September make the best flowers. 2¼-inch pot plants, 75c. each; doz., $7.50; $45.00 per 100.

Mount Greenwood (Johnson). A mid-season pink of exceptionally fine color. It is a seedling from W. H. Duckham, although in form it resembles W. H. Chadwick. 2¼-inch pot plants, 30c. each; doz., $2.50; $20.00 per 100.

ROSES—Forcing Varieties (Ready in March)

Mrs. F. F. Thompson (Totty). This variety sported from Mrs. Geo. Shawyer some three years ago and is an exact duplicate of that variety in all respects except color, a lovely shade of shell pink with a deep glowing heart of bright pink, which lights up the flower wonderfully. It is a persistent bloomer, flowering all the time. **Either grafted or budded 2¼-inch pot plants,** 75c. each; doz., $7.50; $12.50 for 25; per 100, $40.00.

White Shawyer (Totty). A pure white sport of Mrs. Shawyer which has been eagerly looked for. It is a wonderfully free bloomer. **Either grafted or budded 2¼-inch pot plants,** 75c. each; doz., $7.50; $12.50 for 25; 100, $40.00.

September Morn (Turner) (T). Has a splendid free growth, running to 2 to 3 feet without pinching and showing every sign of being a phenomenal rose. The bud is rather short and the outer petals are fimbriated, giving the flower a novel appearance. September Morn is the most sweetly scented of any Rose so far placed on the market. **Either grafted or budded 2¼-inch pot plants,** 75c. each; doz., $7.50; $12.50 for 25; per 100, $40.00.

Hoosier Beauty (Dorner) (S). A rich velvety crimson in color with deeper shadings. It is as fragrant as Richmond, has more petals and better keeping qualities. It naturally throws 2 and 3 feet stems; never has a dormant period, starting new growth very quickly at any time of the year. The glowing color, sweet scent, well-shaped buds, large, full flower, long keeping qualities, clean, healthy habit and freedom in growth and production of bloom have been declared wonderful. It is also easy to propagate. **Grafted plants only.**

	Each	Doz.	100
2¼-inch pot plants	$0.65	$6.00	$40.00
3 -inch pot plants	.80	7.50	50.00
4 -inch pot plants	1.00	9.00	60.00

Prince E. C De Arenberg (P). A lively, clear scarlet, with deeper shadings, not inclined to turn blue, holding its color as long as the flower lasts. The bud is heavy and pointed, developing into a beautiful full flower of great size.

	GRAFTED			OWN ROOTS		
	Each	Doz.	100	Each	Doz.	100
2¼-inch pot plants	$0.30	$3.00	$20.00	$0.20	$2.00	$15.00
3 -inch pot plants	.40	4.00	25.00	.30	3.00	20.00
4 -inch pot plants	.50	5.00	30.00	.40	4.00	25.00

Killarney Brilliant (P). Has the same habit of growth and freedom of bloom as its parent; color very brilliant pink, which in dull weather shades to almost crimson. Best of the many fine sorts Killarney has produced.

	GRAFTED			OWN ROOTS		
	Each	Doz.	100	Each	Doz.	100
2¼-inch pots	$0.35	$3.00	$22.50	$0.25	$2.00	$15.00
3 -inch pots	.45	4.00	27.50	.35	3.00	20.00
4 -inch pots	.55	5.00	35.00	.45	4.00	25.00

Hadley (P). Deep, velvety crimson, retaining its brilliancy all seasons of the year; strong, rigid growth and flowers borne on long, stiff stems.

	GRAFTED			OWN ROOTS		
	Each	Doz.	100	Each	Doz.	100
2¼-inch pots	$0.35	$3.00	$22.50	$0.25	$2.00	$15.00
3 -inch pots	.45	4.00	27.50	.35	3.00	20.00
4 -inch pots	.55	5.00	35.00	.45	4.00	25.00

Plants can be sent by express and freight only. No Plants sent C. O. D. (ha)

DECORATIVE CONSERVATORY AND GREENHOUSE PLANTS

Our extensive trade, particularly with gentlemen's country estates, has made it necessary for us to give this department special attention. We have arranged with well-known specialists in this line to supply us extra well grown clean stock.

Araucaria Compacta

ARAUCARIA

Excelsa (*Norfolk Island Pine*). 4-in. pots, 6 to 8 in. high, 50c. each, doz. $5.50. 5-in. pots, 10 to 12 in. high, 75c. each, doz. $8.25. 6-in pots, 12 to 14 in. high, $1.00 each, doz. $11.00. 6-in. pots, 14 to 16 in. high, $1.50 each, doz. $16.50.

Robusta Compacta. 6-in. pots, 10 to 12 in. high, each $1.50, doz. $15.50. 6-in. pots, 14 to 16 in. high, each $2.00, doz. $22.00.

ASPARAGUS

Plumosus Nanus (*Asparagus Fern*). Highly desirable for fern dishes, bouquet greens, garlands, etc.

Sprengeri. Adapted principally for hanging-baskets.

	Each	Doz.	100
3-in. pots, plants of either of the above	$0.15	$1.50	$10.00
4-in. pots, plants of either of the above	.25	2.50	20.00

BEGONIA

Gloire de Lorraine (in season). Beautiful rose pink variety. 2½-in. pots, $3.00 per doz., per 100 $22.50; 4-in. pots, 75c. each, per doz. $7.50; 6-in. pots (specimen plants), $1.50 each, per doz. $15.00.

CROTONS (Named Sorts)

Leading varieties, brilliantly colored. 4-in. pots, each 75c., doz. $7.50; 5-in. pots, each $1.25, doz. $12.50; 6-in. pots, each $2.00 doz. $20.00.

DRACAENA

	Each	Doz.
Bronze Beauty. 6-in. pots	$2.50	$27.50
Fragrans. Broad green foliage; 6-in. pots	1.25	13.50
Godseffiana. Rich green, spotted creamy white; 4-in. pots	.50	5.50
Massangeana. Green, striped yellow, leaves; 5-in. pots	1.50	16.50
Sanderiana. Green foliage, bordered white, for centrepieces	.25	2.50
Terminalis. Crimson foliage, striped pink and white; 5-in. pots.	1.25	12.50

FICUS (Rubber Plants)

Elastica. The old-fashioned variety. 4-in. pots, 50c. each, doz. $5.50; 6-in. pots, $1.00 each, per doz. $11.00.

Pandurata (*Majestic Rubber Plant*). This variety has enormous leathery leaves and is extremely satisfactory. 6-in. pots, 2 feet high, $2.50 each; 6-in. pots, 2½ feet high, $3.00 each; 7-in. pots, 3 feet high, $4.00 each; 8-in. pots, 4 feet high, $5.00 each.

GARDENIA

Florida. (*Cape Jessamine*). Pure white, waxy flowers, deliciously fragrant; fine for winter blooming indoors. 3-in. pots, 30c. each, $3.00 per doz.; 4-in. pots, 50c. each, $5.00 per doz.; 6-in. pots, $1.25 each, doz. $12.50.

PALMS Healthy, Strong Specimens

ARECA

Lutescens. 5-in. pots, 18 in. tall, extra fine, 75c. each, per doz. $8.25; 6-in. pots with 3 plants, 26 in. tall, $1.50 each, per doz. $16.50; 8-in. pot plants, 36 to 40 in. high, $4.00 each.

COCOS

Weddelliana. 3-in. pot plants. 30c. each, doz. $3.00, $22.50 per 100.

KENTIA

	Leaves	Height	Each	Dozen
Belmoreana				
5-in. pot	6 to 7	18 in.	$1.00	$11.00
6-in. pot	6 to 7	24 in.	2.00	22.00
6-in. pot	6 to 7	28-30 in.	2.75	30.00
7-in. tub	6 to 7	34-36 in.	5.00	
9-in tub	6 to 7	48-54 in.	10.00	
9-in. tub	6 to 7	6 ft.	17.50	
Forsteriana				
6-in. pot	5 to 6	28-30 in.	$1.50	$16.50
6-in. pot	6	34-36 in.	2.75	30.00

LATANIA

Borbonica. (*Fan Palm*). 6-in. pots, 6 leaves, 20 inches high, each $1.00, doz. $11.00.

PHOENIX (Date Palm)

Canariensis. 8-in. tubs, 34-in. high, $3.25 each; 9-in. tubs, 48 ins. high, $4.00 each; 10-in. tubs, 50 ins. high, $5.00 each.

Roebelinii. This palm combines the gracefulness of the Cocos and the hardiness of the Kentia and is especially adapted for all occasions, where a plant is subjected to any abuse. 5-in. pots, $1.50 each; 6-in. pots, $3.00 each; 8-in. tubs, $5.00 each; 10-in. tubs, $12.00 each.

Kentia Belmoreana

We can also supply all other Decorative or Greenhouse Plants

FINE FERNS

Nephrolepis

ADIANTUM

(MaidenHairFern)

Cuneatum. A small leaved, dark green, old-fashioned variety. 25c. each, per doz. $2.50.

Farleyense. This variety has a broad foliage and is the finest of the Adiantum Ferns. It succeeds best in conservatory or greenhouse, by reason of its love for a moist atmosphere. Strong plants, 25c., 50c., $1.00 and $1.50 each.

CIBOTIUM

Schiedei. This variety is extremely valuable for the handsome show made by its magnificent fronds, of a beautiful very light green shade. 7-in. pots, 2 to 2½-foot spread, $4.00 each; 9-in. tubs, 4-foot spread, $7.00 each; 9-in. tubs, 5-foot spread, $8.50 each. Smaller plants, 50c., $1.00 and $1.50 each.

FERNS for Fern Dishes, Etc.

We are always able to furnish a large selection of these in the leading varieties, best suited for the purpose named. 2½-in pots 10c. each, doz. $1.00, $7.00 per 100; 3-in. pots, 15c. each, doz. $1.50, $10.00 per 100.

Japanese Fern Ball

JAPANESE FERN BALLS
(Davalla Bullata)

We can supply these either in dormant condition or in growth. They are extremely attractive as a conservatory decoration or for hanging on the veranda during the summer. Produce delicate fronds of a light green color, and should be included in every collection of Ferns. **Dormant** 40c. each, doz. $4.00;

NEPHROLEPIS

Under this heading come practically all the so-called Boston or Sword Ferns. Our list embraces the improved kinds, as well as the older sorts.

Amerpoehlii (*Philadelphia Lace Fern*). Beautiful, graceful fronds; strong plants; 6-in. pots, $1.25 each, per doz. $13.50.

Bostoniensis. Old-fashioned Boston Fern. 6-in. pot plants, 75c. each, per doz. $8.25.

Elegantissima Compacta. The dwarf compact type, assuming an ideal shape. 6-in. pots, $1.00 each, per doz. $11.00; 8-in. pots, $2.00 each, per doz. $22.00.

Schoelzeli. This is the ideal crested variety, making a handsome appearance. 6-in. pots, extra strong, $1.00 each, per doz. $11.00; 8-in. pots, $2.00 each, per doz. $22.00; 10-in .pots, $4.00 each.

Scottii. Very compact growing type, producing always a perfect plant. 6-in. pots, extra strong, $1.00 each, per doz. $11.00; 8-in. pots, $2.00 each, per doz. $22.00; 10-in. pots, $3.00 each.

Toteaoides. London Fern. One of the newer kinds and a strong grower. 6-in. pots, $1.00 each, per doz. $11.00; 8-in. pots, $2.00 each; 10-in. pots, $5.00 each.

Whitmani. Ostrich-plume Fern. 6-in. pots 75c. each, per doz. $8.25.

PANDANUS

Veitchii. In these we can furnish extra fine, well-colored stock. 4-in. pots 75c. each, per doz. $8.25; 5-in. pots $1.25 each, $13.50 per doz.; 6-in. pots $1.50 each, $16.50 per doz. Specimen Plants $4.00 to $7.50 each.

Utilis. Dark green foliage. 4-in. pots 50c. each, doz. $5.00.

CHOICE ORCHIDS

We have made arrangements with a specialist in this line on account of the many demands we had from our customers with greenhouses. We can supply all other sorts not listed below, and are pleased to quote on inquiry.

CYPRIPEDIUMS

	Each
Acteus (*C. insigne x Leeanum*)	$3.50
Alice (*Spicerianum x Stoneii*)	4.00
Alcides (*Insigne x Hirsutissimum*)	3.50
Baron Kuroki	4.00
Bellatulum	3.00
Boxallii	3.50
Brilliancy	3.50
Calypso (*Spicerianum x Boxalli*)	3.50
Charlesianum	3.50
Clotho (*Politum x Boxalli Atratum*)	3.50
Concolor (*Sp. Burmah*)	3.50
Euryades (*Leeanum x Boxalli*)	3.50
Euryale (*Lawrenceanum x Superbians*)	3.50
Exul (*Sp. Singapore*)	3.50
Harrisianum (*Villosum x Barbatum*)	3.00
Hera	4.00
Insigne	3.50
J. Howes (*Sallierii x Villosum Aureum*)	3.50
Leonidas (*Villosum x Leeanum*)	5.50
Venustum	3.00

CATTLEYAS

Amethystina (*Intermedia*)	3.50
Gaskelliana	3.50
Bicolor x Gigas	3.50
Labiata x Alexandra	3.00
Granulosa x Gigas	3.00
Ophir	6.50
Caduceus	6.50
Schilleriana x Callistoglossa	5.50

LOELIO-CATTLEYA

L. Crispe x Trianae	3.00
C. Gigas x Elegans	6.50
L. Latona	5.50
L. C. Miss Williams	4.00
L. C. Myra	3.50
Elegans x Labiata	3.00
Bicolor x Callistoglossa	3.00
L. C. Nysa	4.00
L. C. Bella	6.50
L. Olivia	4.00

Michell's Chrysanthemums and Carnations

FOR INDOOR CULTURE—NEW AND STANDARD VARIETIES

CARNATION PLANTS (Ready February 1st)

We have arranged with the best grower in America to produce most of this stock for us, while the balance we grow ourselves at our Nurseries at Andalusia, Pa.

SPECIAL NOTE.—This year we are offering Carnations from 2¼-inch pots, also in the shape of rooted cuttings. We recommend pot plants, as they are so much more satisfactory to ship and handle than rooted cuttings; the latter, however, we can supply at lower prices than the pot-grown stock.

Beacon. The best scarlet variety. Our stock is clean and fine.

Benora. Flower large, full, and of perfect form. Color cream white, beautifully penciled with bright red.

Christmas Cheer. Rich geranium red, a splendid variety for pot or house culture, bearing medium-sized flowers.

Enchantress Supreme. A light salmon pink, which endures exposure to the sun without bleaching. The calyx is long and has shown no tendency to burst. Plants from 2¼-inch pots, each, 15c.; $1.00 per doz.; $8.00 per 100.

Enchantress. Shell pink. Our stock of this is excellent.

Eureka. Scarlet seedling from Beacon. Habit similar to Beacon; flower a trifle smaller with better calyx.

Gloria. Beautiful silver pink; very fine. Rooted cuttings, 15c. each; doz., $1.00; $8.00 per 100. 2¼-inch pot plants, 20c. each; doz., $1.50; $12.00 per 100.

Gorgeous. Rich glowing crimson, suffused vermilion. Rooted cuttings, 15c. each; doz., $1.00; $8.00 per 100. 2¼-inch pot plants, 20c. each; doz., $1.50; $12.00 per 100.

May Day. An excellent commercial variety. It is very free, and its even shade of pink is much desired.

Matchless. Pure white, without a trace of any other color. Rooted cuttings, 15c. each; doz., $1.00; 100, $8.00. 2¼-inch pot plants, 20c. each; doz., $1.50; 100, $12.00.

Mrs. C. W. Ward. In color a very pleasing shade of pink, slightly lighter than Mrs. Lawson. In growth it is all that could be desired, being thrifty and clean, and making an abundance of flowering shoots.

Philadelphia. True rose pink; large well-formed flowers. Rooted cuttings, 15c. each; doz., $1.00; 100, $8.00. 2¼-inch pot plants, 20c. each; doz., $1.50; 100, $12.00.

Princess Dagmar. The deepest red or crimson in existence. Rooted cuttings, 15c. each; doz., $1.00; $8.00 per 100. 2¼-inch pot plants, 20c. each; doz., $1.50; 100, $12.00.

Carnation Beacon

Rosette (Dorner, 1912). A dark pink Carnation, darker than Rose Pink Enchantress. Flowers large, full and deep; calyx perfect.

White Enchantress. The pure white strain. For general use there is none better than White Enchantress.

White Wonder. Large pure white bloom, and well worthy of being considered one of our best commercial varieties.

Price of any of the above Carnations (except where noted), plants from 2¼-inch pots, 20c. each; doz., $1.00 (by mail, $1.15); $8.00 per 100. Rooted cuttings of the above Carnations (except where noted), 15c. each; doz., 75c. (by mail, 85c.); $4.00 per 100 (by mail, $4.25). 25 of a variety at the 100 rate; 6 of a variety at dozen rate. We regret not being able to execute orders for less than three carnations in the aggregate. For new Carnations see page 128; for hardy Carnations see pages 148 and 156.

CHRYSANTHEMUM PLANTS

(From 2¼ in. Pots. Ready in March)

EXHIBITION VARIETIES

C. H. Totty. A glowing chestnut scarlet; a grand variety.

Daily Mail. Yellow. 50c. each; doz., $5.00; $35.00 per 100.

Elberon. A large Japanese, incurved, of a pleasing pink shade.

Flamingo. One of the best of the recent introductions in red. 50c. each; doz., $5.00; $35.00 per 100.

F. E. Nash. Light pink Japanese of large size.

F. S. Vallis. A very large yellow. Dwarf in growth.

Glenview. Semi-dwarf in growth and making large bloom. Deep bronze in color. It is a good variety for general growing.

Greystone. Beautiful golden bronze; one of the best of the newer sorts. 25c. each; doz., $2.00; $15.00 per 100.

Harry E. Converse. Petals crimson with golden bronze reverse. Large bloom and excellent growth.

Indian Summer. Yellow ground with terra-cotta and salmon shades, tinted bronze. 25c. each; doz., $2.00; $15.00 per 100.

James Fraser. Yellow. 50c. each; doz., $5.00; $35.00 per 100.

CHRYSANTHEMUM PLANTS—*Continued*

Lady Hopetoun. Light pink in color. Flowers large and beautifully formed. Dwarf in habit.

Lenox. A beautiful loosely incurved flower of a pleasing shade of yellow of monster size.

Mary Donellan. Very tall in growth. Flower large, incurved, deep golden yellow in color.

Mary Mason. Rosy bronze with lighter reverse. Dwarf.

M. Louiseau Rousseau. Very large incurved pink. Tall.

Mrs. J. E. Dunne. A Japanese salmon-terra-cotta in color. Tall in growth.

Mrs. J. C. Neil. Soft canary yellow. Easy to grow. Semi-dwarf. One of the best.

Mrs. H. Stevens. A large golden bronze. Finely formed flowers which finish perfectly. Dwarf.

Mrs. Wm. Duckham. Deep yellow, reflexed Japanese flower; very fine.

Mrs. Gilbert Drabble. Pure white of enormous size.

Nerissa. Fine shade of lavender; very attractive. 50c. each; doz., $5.00; $35.00 per 100.

Pockett's Crimson. Crimson with gold tips to the petals. Excellent habit of growth and one of the best varieties.

Rose Pockett. Old gold; shaded bronze; immense flower.

Well's Late Pink. Light pink in color. Flowers very large and beautifully formed.

Wm. Turner. Pure white in color. Incurved type.

W. Woodmason. Very large bloom. Red in color but not bright enough to be called crimson; clean growth; dwarf habit.

Prices of the exhibition varieties (except where noted), 15c. each; doz., $1.00 (by mail, $1.25); $6.00 per 100.

Six of a variety at the dozen rate; 25 of a variety at the 100 rate.

We regret not being able to execute orders for less than 3 Chrysanthemums in the aggregate unless in conjunction with orders for other plants or goods.

(See also page 128 for other Chrysanthemums).

CHRYSANTHEMUMS (For Indoor Planting)

WHITE

Chas. Razer. Pure white with grand stem; flower much like Bonnaffon in form but larger.
December Gem. Flowering season extends from the last of November to middle of December, according to date of buds. White with a pink tinge. Ball shaped; stiff stem.
Early Snow. With perfect form and foliage. The best early white Chrysanthemum on the market.
Jeanne Nonin. The last of the fancy Chrysanthemums are gone when this variety is ready. Massive white bloom.
Lynnewood Hall. A late white noted for its purity of color.
Mary E. Meyer. Japanese type; spotless white; coming into flower November 1st.
Naomah. Pure white; large well-formed incurved bloom.
Timothy Eaton. Very late; globular shaped flowers.
White Bonnaffon. A pure white seedling of Major Bonnaffon.
W. H. Chadwick. This variety stands alone. Pinkish to a slight extent when grown cool; it is even more charming than when pure white.
White Helen Frick. The pure white sport of Helen Frick; late.

YELLOW

Aug. Dasse. A dwarf, stiff-stemmed variety, ready November 1st. Very solid flower of extra keeping qualities; globular in form; intense yellow.
Chrysolora. A very fine commercial yellow. Medium to tall in growth. Considered the finest early yellow.
Colonel Appleton. One of the old standbys. Medium sized bloom.
Comoleta. Owing to its clear bright color and its perfect form Comoleta has become a favorite. Its foliage is not heavy and it can be planted somewhat closer than the heavier varieties.
Dolly Dimple. Clear yellow; large flowers; excellent variety, maturing November 25th to December 1st.
Golden Chadwick. When high-class blooms are the object, this variety reigns supreme. Its rich yellow color, combined with the other good characteristics, places it as the best late yellow.
Merry Jane. Bright clear yellow in color; incurved type. Clean and vigorous in growth with a perfection of bloom.
Nagoya. Perfect stem and foliage, combined with richness of color in the bloom and ease of culture, make Nagoya a safe variety to grow in quantity. It matures about November 20th.
Roman Gold. Foliage and stem of excellent character. The flower is finely formed and a deep rich yellow in color. October 20th to November 1st.
Yellow Eaton. Owing to its strong growth and large bloom Yellow Eaton is a general favorite.
Yellow Ivory. A clear bright yellow sport of Ivory.

PINK

Chadwick Supreme. Comes into bloom from November 20th to December 1st. Color is clear pink; reflexed bloom. A sport of W. H. Chadwick.
Chieftain. Deep clear shade, incurved flower, resembling Major Bonnaffon.
Helen Frick. Medium-sized bloom; a valuable late variety.
Hirondelle. Big incurving variety with splendid stem and foliage. Clear pink brightening into rosy lavender as it matures.
Pink Gem. Pleasing shade of light pink with perfectly formed incurved flower. Strong foliage and stem; medium height.
Unaka. A strong grower with perfect stem and foliage. A fine incurved bloom of a pleasing shade of pink; early.

RED

Harvard. Japanese reflexed; very dark crimson; very late.

Prices of any of the above Chrysanthemums, plants from 2¼-inch pots, 15c. each; $1.25 per doz. (by mail, $1.50); $6.00 per 100.

We regret not being able to execute orders for less than 3 Chrysanthemums in the aggregate unless in conjunction with other plants or goods. We can also supply all other leading varieties. (See pages 150 and 156 for Hardy Chrysanthemums.)

We can also supply all other leading commercial varieties of Chrysanthemums.

FORCING ROSES (Ready in March)

Any of these varieties can also be successfully planted outdoors. **2¼-inch pot plants ready in March; 3-inch in April; 4-inch in June.**

Milady. Large and double and opens perfectly. The rich crimson color is similar to Richmond.
Mrs. George Shawyer. Brilliant rose pink, large, well formed, fairly full. Growth is tall and stiff with leathery foliage.
Radiance. Deep cerise pink. Strong in growth and a good producer. One of the finest Roses.
Richmond. Clean and strong grower; free bloomer; fine shaped buds borne on stiff stems; color bright rich scarlet.
White Killarney. White Killarney has most successfully advertised itself. Like its parent, the Pink Killarney, it has become one of the most popular Roses grown today.
Double White Killarney. It is a sport from the White Killarney, with increased petalage, and is pure white in color. It comes free from pink in warm weather.
Killarney. The most popular forcing Rose that has ever been introduced and without doubt the most profitable Rose ever grown. It is too well known to need description.
Killarney Queen. It is a cerise pink sport of Killarney, exceptionally strong in growth with excellent foliage. The petals are larger than the petals of Killarney.
Cecil Brunner. Bright rose pink of polyantha or cluster type; blooms in great profusion and is fine for bouquet work.

Price of any of the above roses, as follows:

	Own Root Plants			Grafted Plants		
Pots	Each	Dozen	100	Each	Dozen	100
2¼ inch	$0.20	$1.50	$10.00	$0.30	$2.25	$17.50
3 inch	.25	2.00	15.00	.35	3.00	22.50
4 inch	.35	3.00	20.00	.45	4.00	30.00

American Beauty. Cerise pink. Clean, strong stock on their own roots; propagated from two-eye cuttings.

Own Root plants only,

2¼ inch .....20c. each; $1.50 per doz.; $12.00 per 100
3 inch .....25c. each; 2.25 per doz.; 18.00 per 100
4 inch .....35c. each; 3.00 per doz.; 25.00 per 100

Sunburst. Orange-copper or golden-yellow; a strong growing variety; foliage and stem are excellent. Sunburst has not been a general success grafted.

Own Root plants only,

2¼ inch .....25c. each; $2.00 per doz.; $15.00 per 100
3 inch .....35c. each; 3.00 per doz.; 20.00 per 100
4 inch .....45c. each; 4.00 per doz.; 25.00 per 100

Mrs. Charles Russell. The foliage is heavy and leathery, is almost mildew proof. The bud is fully as large as American Beauty, but longer and pointed; a bright rose pink.

Grafted plants only,

2¼ inch .....35c. each; $3.00 per doz.; $20.00 per 100
3 inch .....45c. each; 4.00 per doz.; 25.00 per 100
4 inch .....55c. each; 5.00 per doz.; 30.00 per 100

My Maryland. As a summer forcing Rose, My Maryland reigns supreme. Clear pink in color. Pointed buds, combined with wonderful producing qualities make this Rose deservedly popular.

	Own Roots			Grafted		
	Each	Dozen	100	Each	Dozen	100
2¼-inch pots	$0.20	$1.50	$12.00	$0.30	$2.25	$17.50
3 -inch pots	.30	2.50	18.00	.35	3.00	22.50
4 -inch pots	.35	3.00	25.00	.45	4.00	30.00

Be sure to specify when ordering whether you wish plants grafted or on their own roots. We can also supply all other leading forcing roses.

(See pages 139 to 147, also page 129 for a general list of outdoor Roses.)

Ophelia. Salmon-flesh, shaded rose pink; fine variety.
Willowmere. Long pointed bud, coral carmine color; large full flower, shaded yellow in centre.
Mme. Edmond Rostand. Pale flesh pink; shaded salmon and reddish orange; yellow centre.

Price of the above three varieties, as follows:

	Own Root Plants			Grafted Plants		
	Each	Dozen	100	Each	Dozen	100
2¼ inch	$0.30	$2.25	$17.50	$0.35	$3.00	$22.50
3 inch	.35	3.00	22.50	.45	4.00	27.50
4 inch	.45	4.00	30.00	.55	5.00	35.00

6 Plants of a variety at the dozen rate; 25 of a variety at the 100 rate. No Plants sent C. O. D. (ha)

MICHELL'S SUMMER BEDDING PLANTS

READY AFTER MAY 1st EXCEPT WHERE NOTED

Many of these are grown by ourselves, others for us by specialists and are thrifty specimens which will invariably give fine results. As readily seen from the title they are not hardy, being for the one season's display only with the exceptions of a few. Plants of this kind cannot well be mailed as we send out strong specimens, which travel best by express.

ABUTILONS (Bell Flower)

Splendid plants to be used as a close setting to cannas or other plants.

Boule de Neige. Pure white.
Golden Fleece. Very large flower; pure yellow.
Savitzi. Green and white foliage, with white flower.
Vesuvius. Rich red flower, with deep red veins.

Extra strong plants, 3-inch pots, 15c each; doz., $1.25; $9.00 per 100.

ACALYPHA

Macafeana. Plants growing 2 feet high, decked with beautiful red and bronze foliage, showing up well against a green background of cannas, caladiums or ricinus. Extra strong plants, 3-in. pots, 15c. each; doz., $1.00; $8.00 per 100.

ACHYRANTHES

Excellent for edging beds of various kinds; make a fine show against a green or yellow background; grow about 12 inches high; very compact.

Acuminata. Purplish bronzy foliage.
Brilliantissima. Crimson foliage; very bright

Extra strong plants, 3-inch pots, 15c. each; doz., $1.00; $8.00 per 100.

AGERATUM (Floss Flower)

Flower heads very large. Plants 10 inches high; ideal for massive bedding or edging.

Blue Perfection, White Perfection, 3-inch pot-plants, 15c. each; doz., $1.00; $8.00 per 100.

ALTERNANTHERA

Used principally for carpet bedding effects and edgings; fine for working out in designs; very dwarf grower, being about 4 inches high.

Aurea Nana. Green and yellow; mottled foliage.
Brilliantissima. Red, with a slight trace of green.

3-inch pot-plants, 12c. each; doz., $1.00; $6.00 per 100.

ALYSSUM (Little Gem)

Pure white flowers, dwarf compact plant, desirable for edging, flowering all season; 6 inches high. 3-inch pot-plants, 12c. each; $1.00 doz.; 100, $6.00.

ANTIRRHINUM (Snapdragon)

A very effective plant for massive bedding and border planting, also much used in Italian gardens. If flowers are cut off after blooming they will continue until frost. In separate colors as follows:

Giant White, Pink, Yellow and **Scarlet.** Extra strong, 4-inch pot-plants, 15c. each; doz., $1.50; $10.00 per 100.

BEGONIAS (See cut, page 135)

Tuberous Rooted. Few people realize the gorgeous effects produced by these plants. It is much more satisfactory to buy them started, ready to set out in May, than to plant out the dormant bulbs. They are usually in flower, when ready to ship, and a continuous mass of bloom until frost. Especially are they fine for planting in shaded locations. Strong extra large 4-inch pot-plants, **Single Mixed,** 15c. each; doz., $1.50; $10.00 per 100. **Double Mixed,** 20c. each; doz., $2.00; $15.00 per 100.

Vernon. Bright red flowers, compact dwarf plant, one of the best and most effective bedding plants either for edging or massive bedding. 3-inch pot-plants, 15c. each; $1.25 per doz.; 100, $9.00.

Erfordi. Of the same habit as Vernon, but having bright pink flowers which almost hide the foliage during the whole summer. 3-inch pot-plants, 15c. each; doz., $1.25; $9.00 per 100.

Gracilis Luminosa. A splendid edging variety with bronzy red foliage and brilliant coppery scarlet flowers, very free blooming, of same habit as Vernon. 3-inch pot-plants, 20c. each; $1.50 doz.; per 100, $10.00.

An Aster Flower

MICHELL'S SUPERB ASTERS

We grow a large stock of these in separate colors, **Pink, Scarlet, White** and **Blue.** Extra strong 3-inch pot-plants of the Giant branching variety, 8c. each; doz., 75c.; $5.50 per 100.

CALADIUM (Elephant Ears)

These are fine for tropical effects; look especially well when used as an edging around hardy grasses, or if planted in beds surrounded with Pennisetum Grass. 5-inch pot-plants, 20c. each; doz., $2.00; $15.00 per 100.

CALENDULA (Pot Marigold)

These somewhat resemble a double daisy, are fine for cutting, flowering all summer.

Orange King. Very deep orange.
Sulphurea. Light sulphur yellow.

Strong 3-inch pot-plants, 12c. each; doz., $1.00; $7.50 per 100.

CANNAS

On pages 114 and 115 will be found a complete list of up-to-date varieties. The standard sorts of our selection in your choice of color. Extra strong plants, 15c. each; doz., $1.50; $10.00 per 100.

CENTAUREA (Dusty Miller)

For edging flower beds and borders.

Gymnocarpa. Broad silvery foliage.
Candidissima. Narrow pointed, cut leaved foliage, silvery gray. Strong 3-inch pot-plants, 12c. each; doz., $1.00; $7.00 per 100.

CENTAUREA (Corn Flower)

Cyanus Double Blue. The favorite boutonniere of the business man, rich bright blue; get a dozen plants for your garden. 3-inch pot-plants, 12c. each; doz., $1.00; 100, $7.00.

COLEUS

The popular beefsteak plant so commonly used for edging canna and geranium beds. Making a fine show from early spring till frost.

Verschaffelti. Dark crimson foliage.
Golden Bedder. Rich canary yellow foliage.
Queen Victoria. Red, with a yellow edge.
Fire Brand. Brilliant reddish brown.

3-inch pot-plants, 10c. each; $1.00 per doz.; per 100, $6.00.

Tuberous Rooted Begonia Flower (See page 134)

COSMOS

Michell's Giant Flowering Strain, producing enormous long stemmed flowers late in the autumn.
Pink, White, Red, each color separate. 3-inch pot-plants, 8c. each; doz., 75c.; $5.00 per 100.

CROTONS

We can furnish this in the leading up-to-date varieties. They are fine for bedding, making handsome tropical effects. Price of plants, our selection, 3-inch pots, 30c. each; doz., $3.00. 4-inch pots, 50c. each; doz., $5.00.

DRACAENA (Fountain Plant)

Indivisa. Attractive, used as a centrepiece for a round bed, urn or vase and in cemetery work; light green foliage. Strong plants, 50c. each; $5.00 doz. Large plants, $1.00 each; $10.00 per doz.

DAISY, ENGLISH GIANT FLOWERING

(Ready in April)

These are especially desirable for early spring bedding before it is possible to set out most other plants. Intermingled with Pansies and Forget-Me-Nots (the latter being set out at the same time); they form an attractive combination. **Pink, White, Red,** each separate, 10c. each; $1.00 per doz.; per 100, $7.00.

FUCHSIA (Lady's Ear Drop)

The pretty bell flowers, both single and double, appear abundantly, if the plants are set in a semi-shaded location.
Elegans. White and rose.
Carmen. Soft violet rose.
Drude. Double rose.
Diamant. Double white.
Jos. Rojain. Double sky blue, striped red.
Patrie. Double pure white.
Marinka. Beautiful rich red.
Speciosa. Orange scarlet, white sepals.
Any of the Fuchsias, 15c. each; doz., $1.50; 100, $10.00.

GERANIUMS

Our stock of these except Mad. Salleroi is in 4-inch pots, very bushy, well shaped, carefully grown. Mad. Salleroi variety is in 3-inch pots.
Helen Michell. Bright rich scarlet, producing gigantic flower trusses; to date the very best of its color. 4-in. pot plants, ready in May, 25c. each; doz., $2.50; $17.50 per 100.
Alphonse Ricard. Bright scarlet, double, large flower trusses.
Beaute Poitevine. Salmon pink, very double; one of the finest of the double kinds, 20c. each; doz., $2.00; $15.00 per 100.
S. A. Nutt. Rich crimson, double.
La Favorite. Double, pure white.
Ardens. Vermilion scarlet, single flowers.
Mrs. E. G. Hill. Soft salmon pink, single flowers.
Snowdrop. Pure white, single flowers.
Mme. Salleroi. Variegated leaves, used extensively for edging and for this purpose flowers should be removed, as they are too small for effect.
Rose Geranium. Grown for its scented foliage, ideal for cutting to mix with other flowers.
Price (except where noted) of any of the above Geraniums, extra fine stock, 15c. each; doz., $1.50; $12.00 per 100.

Note.—Be sure and try at least a few Geraniums "Helen Michell," it is the best and freest bloomer in its class

HELIOTROPE

This is a fine bedding plant, being a mass of flowers all summer; the fragrance cannot be approached by any other annual plant. As a cut flower it plays an important part.
Centefleur. Large trusses of rich deep violet blue.
La Duse. Enormous deep blue flower heads.
Either of the Heliotropes, 15c. each; doz., $1.50; 100, $10.00.

HYDRANGEA HORTENSIS (See page 137)

LANTANA

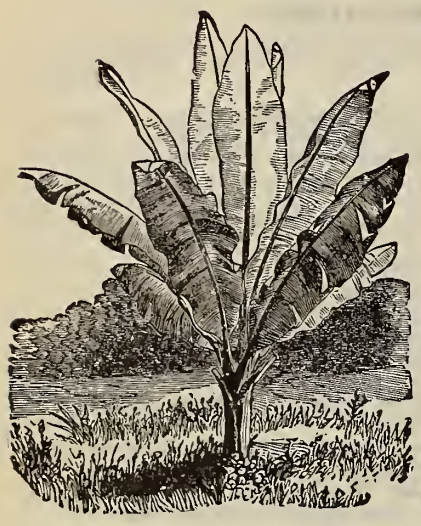
Excellent bedding plants, thriving best in the full sun; the shades of orange and yellow, so effective in bedding, are found in these plants only. 3 in. pot plants.
Crusalis. Pure yellow.
Radiation. Brilliant red with orange yellow centre.
Eole. Yellow shading to bright rose.
Price of any of the above, 12c. each; doz., $1.00; $7.50 per 100.

LEMON VERBENA (Aloysia Citriodora)

Pointed green lemon scented foliage, fine for mixing among cut flowers; 3 inch pots, 12c. each; doz., $1.00; $7.50 per 100.

Choice Geranium Plants (See top of page for list)

Bedding Plants Continued on Page 136.



Musa Ensete

Single Petunia

Hydrangea Otaksa (Bedding Varieties, see page 137)

LOBELIA

Blue flowering plant, for edging and hanging baskets; when ordering, state purpose for which they are desired.

Speciosa. Trailing variety for baskets, urns, etc.

Compacta. For bedding, edging, etc. 3 in. pot plants. 12c. each; doz., $1.00; $6.00 per 100.

MARIGOLD

These are favorites in all old-fashioned gardens, in bloom from early summer until frost.

Eldorado. Orange yellow.

Lemon Queen. Lemon yellow. Strong 3-inch pot-plants, 12c. each; doz., $1.00; $7.00 per 100.

MIGNONETTE

Sweet scented; fine for cutting or bedding. Extra strong 4 in. pot plants, 15c. each; $1.50 doz.; per 100, $10.00.

MYOSOTIS (Forget-Me-Not)

Ready after April 10th. In bud and bloom.

Stock usually exhausted May 15th.

Alpestris Victoria. Dwarf blue.

Palustris Semperflorens. Tall blue.

Strong plants of the above, 10c. each; doz., $1.00; 100, $7.00.

MUSA ENSETE (Abyssinian Banana)

Excellent as centrepieces for large beds or individual specimens on the lawn; light green wavy foliage of enormous size. The plants in the autumn should be tubbed or potted, and placed in a warm cellar for winter storage. In May they can be set out again, when they will break out into foliage, increasing each year in size and beauty. 5 in. pot plants, 50c. 7 in. pot plants, $1.25 each.

NASTURTIUMS

These are a mass of bloom all summer, and can be used for planting large beds or borders. Dwarf varieties in mixture. 4 in. pot plants. 15c. each; doz., $1.50; $10.00 per 100.

PANSIES

Michell's Giant Exhibition Strain. It has often been remarked by customers that nowhere else can our Pansies be equaled for size of bloom and rich colors. Fine large plants in bud and bloom, ready after April 1st, $1.25 per doz.; 25 for $2.25; 100, $9.00. Stock usually exhausted after May 15th.

PETUNIAS

Of the annual flowers, this is probably the most universal; it can be put to a variety of uses, for bedding, baskets, window boxes or urns; they flower continuously.

Giant Single Strain. In mixed colors. 3-inch pot-plants, 12c. each; doz., $1.00; $6.00 per 100.

Double Petunias in named sorts. 3-inch pot-plants, 15c. each; doz., $1.50; $10.00 per 100.

PHLOX DRUMMONDI

These are a splendid bedding or border plant.

Dwarf. Red, White, Pink, each separate. 3-inch pot-plants, 12c. each; doz., $1.00; $6.00 per 100.

PYRETHRUM

For edging flower beds and borders; very attractive.

Aureum. Fine light yellow foliage. 3-inch pot plants, 12c. each; doz., $1.00; $7.00 per 100.

RICINUS (Castor Oil Plant)

These make stately plants for lawn effects, or for screening undesirable views; it is claimed they keep moles away.

Zanzibarensis. Green and red foliage; grows 15 feet.

Borboniensis. Green foliage; grows 15 feet.

Gibsoni. Deep red leaves; grows 15 feet.

4-inch pot-plants, 15c. each; doz., $1.50; $10.00 per 100.

TEN WEEKS STOCKS (Gillflower)

Sweet-scented flowers, which are fine for cutting, as a bed or border plant they are splendid.

Double Pink, White, Blue and Red. 4-inch pot-plants, 15c. each; doz., $1.50; $10.00 per 100.

TRADESCANTIA

Zebrina. An old-fashioned hanging basket and window box plant, with silvery gray and red foliage. 3-inch pot-plants, 12c. each; doz., $1.00; $7.50 per 100.

SALVIA (Scarlet Sage)

No show of flowers can equal that produced by Scarlet Sage, it makes a blaze of color when massed or planted in beds that can be recognized a mile away.

Bonfire. The best dwarf bedding variety. Strong 4-inch pot-plants, 15c. each; doz., $1.50; $10.00 per 100.

VERBENAS

One of the freest flowering of summer annuals; a bed of Verbenas of any color make a sight worth having.

White, Pink, Blue, Scarlet, each color separate. Strong 3-inch pot-plants, 10c. each; doz., $1.00; $6.00 per 100.

VINCA

Rosea. This is the flowering type used for bedding or vases; a bed or border planted with these is a beautiful sight; they are not used as extensively as they should be; for either full sun or in partial shade they are well adapted. **Pink, White, Pink with White Eye,** each color separate. 4-inch pot-plants, 15c. each; doz., $1.50; $10.00 per 100.

Major Variegata. A trailing plant used for hanging baskets and window boxes; green foliage mottled white. Extra strong 4-inch pot-plants, 25c. each; doz., $2.50; 100, $18.00.

ZINNIAS

Michell's Giant Robusta Strain in mixed colors. 3-inch pot-plants, 10c. each; doz., $1.00; $7.50 per 100.

MICHELL'S HARDY HYDRANGEA HORTENSIS

This class of Hydrangea is the one which is seen planted so extensively at the North Atlantic seashore and inland resorts. It seems to do especially well in these localities. It has been the general opinion that the plant is not hardy, but in many places it is not afforded even the slightest protection, although we recommend that care be taken, especially the first few years after planting, to protect them over winter with a covering of manure or other suitable litter, as this will protect the flower buds, which are often injured in severe winters, although the plants otherwise do not suffer. If winter protection is used, same should not be removed until all danger of frost is over, otherwise the tender shoots are nipped in the cold nights of early spring, and few flowers are the result. The varieties of Hydrangea often change their color; for instance, pink varieties will sometimes turn out blue. This, however, is infrequent, and when the type is fixed it usually remains so. If, however, it is desired to change pink Hydrangea blue, and the latter pink, this can be usually accomplished by incorporating into the soil a few handfuls of soot or iron filings. If this is not obtainable, lump alum broken into small pieces and incorporated into the soil, about ¼ lb. to each plant, will usually produce the same results. This class of Hydrangeas is best planted around verandas for fine effects. They can also be set in tubs for wall, coping or lawn decoration. If used in the latter way the plants should be taken in in the winter to a frost-proof cellar and occasionally given some water. We have added considerably to our list, and offer an up-to-date selection. **Special Note:** This class of Hydrangeas in the summertime should be watered liberally every day when there is no rain. Application of Cow Manure, Sheep Manure or Bone Meal will greatly increase the flowering qualities.

NEW FRENCH VARIETIES

Avalanche. Large head; pure white flowers. Strong 4 in. pot plants, 30c. each; doz., $3.25. 6 in. pot plants, 50c. each; doz., $5.00. 11 in. tubs specimens, $2.50 each.

Botaniste Peltereau. Fringed flowers of gigantic size, of a brilliant lavender-pink color. Strong 4 in. pot plants, 30c. each; doz., $3.25. 6 in. pot plants, 50c. each; doz., $5.00. 11 in. tubs specimens, $2.50 each.

Bouquet Rose. Very large flower heads of a uniform shape. When first opened the flower is a shade of amber, which later turns to a brighter pink. Strong 4 in. pot plants, 30c. each; doz., $3.25. 6 in. pot plants, 50c. each doz., $5.00. 11 in. tubs specimens, $2.50 each.

E. G. Hill. Considered the best pink, producing enormous flower trusses. Strong 4 in. pot plants, 50c. each; doz., $5.00. 6 in. pot plants, 75c. each; doz., $7.50.

General de Vibraye. One of the very best, with enormous flower heads of a bright rose color. It is quite early, flowering with Madam E Moulliere to which it is an excellent contrast in color. Extra strong 5 in. pots, 40c. each; doz., $4.00.

Madame Maurice Hamar. Large trusses of a delicate flesh-pink shade. Strong 4 in. pot plants, 30c. each; doz., $3.25; 6 in. pot plants, 50c. each; doz., $5.00.

Monsieur G. Renault. Very free flowering type, blooming somewhat earlier than the rest. The flower has a slight reflex of carmine, while the body of the bloom is rich pink. 5 in. pot plants, 40c. each; $4.00 per doz.; extra strong 6-in pot plants, 50c. each; per doz., $5.00.

Hydrangea Mme. Emile Moulliere

Mme. Emile Moulliere. This is the best of the newer kinds, bearing gigantic trusses with immense florets, the latter being often 2 inches in diameter. Pure white, with rich carmine eye. Strong 4 in. pot plants, 30c. each; doz., $3.25; 6 in. pot plants, 50c. each; doz., $5.00.

Radiant. Brilliant rose pink, much brighter and showier than others of the same color. Strong 4 in. pot plants, 30c. each; doz., $3.25. 5 in. pot plants, 40c. each; doz., $4.00. 6 in. pot plants, 50c. each; doz., $5.00. 11 in. tubs specimens. $2.50 each.

Souvenir de Mme. Chautard. Of dwarf, compact habit, with brilliant rose-colored flower trusses. Strong 4 in. pot plants, 30c. each; doz., $3.25. Extra strong 6 in. pot plants, 50c. each; per dozen, $5.00. 11 in. tubs specimens, $2.50 each.

OTAKSA

This is the original pink-flowering Hortensis type from which many of the newer kinds originated. For general satisfaction it is still in the foreground, and we cannot recommend it too highly. It is a delicate soft pink. 4 in. pot plants, 25c. each; per doz., $2.50; 5 in. pot plants, 35c. each; per doz., $3.50; extra strong 6 in. pot plants, 50c. each; per doz., $5.00. Specimen Plants in 11 in. tubs, $1.75 each. 13 in. tubs, $3.50 each.

See also page among Flowering Shrubs for other Hydrangeas

MICHELL'S SUPERB HARDY PHLOXES

Our stock of these is unusually fine. We have endeavored to embrace in our list the very best sorts. A visit to our nursery (where we grow several acres of these) in September and October presents a marvelous sight in beauty and color.

Phlox Chastity

BICOLORED VARIETIES

Antonin Mercie. Light ground, suffused dark lilac.

Braga. Rose, shaded salmon, with large white eye.

Europa. Blush white, with a large deep pink centre, making it a very showy combination. Very new and the best in its class; the flower truss is very large, while the florets are also of gigantic size.

Hanny Pfleiderer. Blush white, with lavender-pink eye.

Hervor. Soft rich pink, with a white eye. 25c. each; doz., $2.50; $15.00 per 100.

Richard Wallace. Blush white, with violet eye; very showy.

Wanadis. Flowers mottled white and light violet, resembling somewhat the Phlox Canadensis. Each flower has a distinct reddish eye. 30c. each; doz., $3.00; $18.00 per 100.

Widar. Reddish violet, with a distinct white centre. 25c. each; doz., $2.50; $15.00 per 100.

WHITE VARIETIES

Chastity. It is one of the earliest to bloom and remains in flower as late as many other sorts. Of medium height, extremely robust, with deep green foliage, which is crowned with gigantic flower heads of glistening white flowers, each of which is of immense size. 25c. each; $2.50 doz.; $15.00 per 100.

Frau Anton Buchner. Very large pure white flower truss with gigantic individual florets. It makes a fine edging for a bed of Hardy Phlox, being of a very dwarf nature. 25c. each; $2.50 doz.; $15.00 per 100.

Jean d'Arc. One of the latest white flowering, and for this reason should be included in every collection.

Mrs. Jenkins. Of medium height with immense clusters of pure white flowers; very effective when planted in masses.

WHITE VARIETIES—Continued

Miss Lingard. The earliest flowering phlox, beginning in June and blooms uninterruptedly till frost; rather tall and of vigorous growth; pure white; one of the finest phloxes grown. 25c. each; per doz., $2.50; $15.00 per 100.

Tapis Blanc (New). Undoubtedly the best semi-dwarf in this color. The flower panicles are of immense size. It flowers early and continues until late in the autumn. It is one of the best of the recent introductions. 50c. each; doz., $5.00.

Von Lassburg. The Queen of all clear white Phloxes, trusses and single flowers are immense in size, as the plant is rather dwarf, it should always be planted in the foreground.

PURPLE AND LAVENDER VARIETIES

Africa. Rich royal purple, suffused crimson. This shade in phlox is much in demand. 25c. each; doz., $2.50; 100, $15.00.

Asia. Rich shade of mauve. Color entirely distinct; must be seen to be appreciated. 25c. each; doz., $2.50; $15.00 per 100.

B. Comte. Brilliant rich purple; a fine variety.

Eugene Danzanvilliers. Delicate lavender; very attractive and decorative color; immense flowers. The peer of its color.

Le Mahdi. Of the shades of blue offered today, there are many which approach Magenta; for this reason we highly recommend this sort, which is a royal deep purple.

W. C. Egan (New). Pale lilac, with intense solferino red eye. Of medium height and branching habit. Very attractive. 30c. each; doz., $3.00; $18.00 per 100.

PINK VARIETIES

Elizabeth Campbell. Identical in shade of color with Mrs. John Laing Rose; delicate, refreshing pink with a white eye. Quite distinct, producing immense flower heads.

Gefion. Delicate rose pink, with a darker eye. The flower trusses are very large and compact. 30c. each; doz., $3.00; $18.00 per 100.

Gruppen Konigin. Delicate rose pink with claret-red eye, easily recognized from a distance. Most effective when grouped in masses. 25c. each; doz., $2.50; $15.00 per 100.

Linfield Beauty (New). The salmon pink Phlox of the future, resembling Elizabeth Campbell in every way, but much better. The stock is limited. 50c. each; doz., $5.00.

Madame Paul Dutrie. Delicate soft pink, resembles a delicate Orchid. The flower trusses are enormous.

Pink Beauty. Delicate pink, with a round, dark eye.

Rheinlander (New). Deep salmon pink, with bright red eye; of vigorous growth and branching habit. Enormous flower trusses, which appear very early. 30c. each; doz., $3.00.

Rheinstrom. A splendid new Phlox with gigantic flowers of a bright pink. The growth is quite tall, the flowers come early and continue in bloom till frost; truly a grand variety.

R. P. Struthers. Deep salmon pink, dark centre, very large.

Selma. Delicate soft pink, with deep red eye.

Wm. Robinson. Carmine pink, with deep crimson eye.

RED AND SCARLET VARIETIES

Baron von Dedem. Deep pink, suffused orange; immense trusses.

Coquelicot. Brilliant orange scarlet with a large truss.

Dr. Konigshofer. Brilliant orange scarlet with dark blood red eye, resembling Coquelicot, but is more brilliant, and of dwarf growth. 25c. each; doz., $2.50; $15.00 per 100.

Embrazement. Extra large, bright orange pink.

Fernand Cortez. Cerise pink, with a purple eye.

General von Heutsz. This produces immense trusses of enormous flowers, which are of a delicate salmon scarlet, surrounded with a lavender eye, which is edged white.

Geo. A. Strohlein. Bright scarlet, with crimson red eye.

Goliath. A distinct variety of attractive appearance; a tall grower, attaining a height of 3 feet. The flower trusses are large, of a bright cerise color with deep eye.

Gen. Chanczy. Orange, suffused scarlet; purple eye.

Iris (New). A variety of rare merit; deep reddish violet with enormous flower trusses. 35c. each; doz., $3.50; 100, $20.00.

Madame P. Langier. Brilliant red with a dark eye.

Matador. Cherry red, crimson eye; dark foliage.

Montagnard. Dark purple claret; large spikes and flowers.

Professor Virchow. Bright carmine, shaded orange red. 25c. each; doz., $2.50; $15.00 per 100.

Tragedie. Carmine red, with a distinct blood red eye. 30c. each; doz., $3.00; $18.00 per 100.

Von Hochberg. Rich deep crimson. 25c each; doz., $2.50; $15.00 per 100.

Other hardy Phloxes will be found among the pages of perennials in alphabetical order; newer sorts on page 151.

Price of any of the above Phlox, except where noted, 15c. each; per dozen $1.50; $10.00 per 100 (ha)

HARDY PHLOX IS A BIG SPECIALTY WITH US

Michell's Gorgeous Hardy Phlox

Make handsome shows from early summer till frost

KEY: 1 Mrs. Jenkins 2 Le Mahdi 3 R. P. Struthers 4 Richard Wallace 5 Matador

STRONG PLANTS to bloom first season, each 15c., $1.50 a dozen, 100 for $10.00

MICHELL'S SUPERB ROSES

KEY:

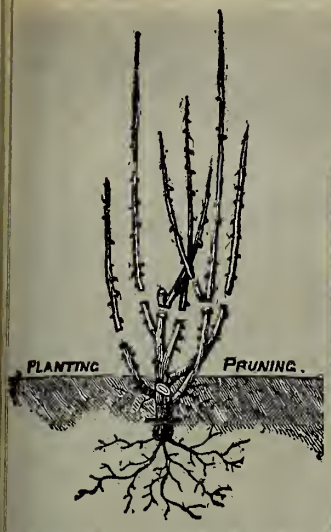
1 Molly Sharman Crawford
2 Gen'l Mac Arthur
3 Mrs. Aaron Ward
4 Etolle de France
5 Jonkheer J. L. Mock

STRONG POT GROWN PLANTS of the Above HYBRID TEA ROSES

60c. EACH DOZEN, $6.00 $40.00 per 100

SPECIAL OFFER: ONE EACH OF THE ABOVE ROSES FOR $2.75

MICHELL'S SUPERB POT-GROWN ROSES, 2 YEAR OLD PLANTS



Note the proper way to plant and prune a rose bush. See the separation where the pruning is indicated.

Our stock in this line will be found of unusual vigor and value. The soil that we use for potting them is especially prepared and seems to contain peculiar elements which induce extra strong growth. The field-grown stock is potted late in the autumn after the wood is thoroughly ripened. They are plunged in the sand to prevent the roots from drying out at any time. Then they are placed in especially constructed glass houses without heat. In this manner they winter over under natural conditions, until planted in your own garden. Roses handled after this fashion cannot help to give the greatest satisfaction to the purchaser.

SPECIAL DIRECTIONS FOR PLANTING AND CARING FOR ROSES

Open a good space in the soil and spread out roots; never cramp them into a small hole. Do not let manure come in contact with roots but place it underneath and a layer of soil on top. If the rose is a bush plant, set it so deep that only branches are visible above the ground and never the main stem, but too deep is as bad as too shallow; 2 to 4 inches of the lower branches may be under the surface, but no more. If the plant is a budded or grafted rose, be sure that the bud or graft is fully 3 inches below the surface. Prune in spring only, when life is just apparent and remove what might appear to be surplus wood. The strongest growth should be cut back to within six inches above the ground; the weaker growth to 4 inches. Observe the illustration opposite for pruning and depth of planting: All soil above the roots should be well pressed down. Feed your roses with "Ground Bone" and "Pulverized Sheep Manure." Mulch the ground during summer. As winter approaches draw soil 6 to 8 inches high around the stem, this avoids winter killing especially the H. T. varieties, then cover with long manure or similar litter. Spray as soon as growth commences and continue once a week with "Bordeaux-Arsenate," see page 220. The only remedy against the rose-bug is Readeana, this positively destroys them and does not injure the flower or blossom. (See page 221). See page 228 for books on Rose Culture.

RECENT INTRODUCTIONS OF HARDY EVERBLOOMING HYBRID TEA ROSES

HT **British Queen** (McGredy). Experts, who have seen British Queen growing, agree that it is the finest white Rose in existence, surpassing in beauty and elegance of form all other white varieties. The freedom with which it blooms is remarkable. It is in flower from June until winter, and on well-cultivated plants the blooms are a model of perfection. The type of flower is between White Maman Cochet and Frau Karl Druschki, with Tea Rose form and refinement; frequently in the bud state it shows a slight flush; this disappears as the flower opens to the purest whiteness. It is a good grower and sweetly scented. Awarded a Gold Medal by the National Rose Society of England. $1.00 each; per doz., $10.00.

HT **Earl of Gosford** (McGredy). A splendid dark crimson rose, much after the style of Victor Hugo, an erect grower, bearing its flower on strong stiff stems; this is very fragrant and sure to become one of the most popular roses grown; color a rich deep crimson. Price, $1.00 each; per doz., $10.00.

George Dickson (Dickson & Son). We are quite satisfied that within two years George Dickson will be the most popular exhibition Rose in existence. As near as we can describe it, the color is a velvety-black crimson, the back of the petal being heavily veined with deep pure crimson-maroon. The petals are of splendid shape and of magnificent substance; delightfully smooth, and built to make the form of flower perfection. Blooms, of the highest exhibition standard, quite five inches across. It has wonderful lasting qualities, not only as to the retention of its color, but also in its shape and freshness. Awarded the Gold Medal of the National Rose Society of England, besides many other first awards at various shows in England. $1.00 each; per doz., $10.00.

HT **Mrs. George Shawyer.** An introduction of 1913 and reputed to be the finest pink rose without a fault. It is wonderfully free flowering, even more so than Killarney. It is a strong, vigorous grower, with massive flowers, and a variety that should be included in every collection of roses. $1.00 each; per doz., $10.00.

HT **Mad. Edward Herriot.** This rose was the sensation of 1914. It is the winner of the gold cup, offered by the London Daily Mail, for the best new rose exhibited at the International Exhibit, held in London in 1912. The variety is frequently referred to as the Daily Mail Rose. It is a cross between a seedling of Caroline Testout and a variety of the Pernitiana class. The buds are coral red with yellow shading at the stem. The flowers are semi-double, of medium size of coral red color, shaded yellow and scarlet, terminating in salmon-red. It is one of the finest roses in cultivation. Price, $1.50 each.

HT **Willowmere.** The bud is carmine, which when open, develops into a large flower of rich pink, shaded yellow in the centre. Resembles the wonderful Lyon Rose. Price, $1.25 each.

HT **Ophelia.** Very large flower of fine form and habit; salmon flesh shaded pink; the flowers are borne freely on stiff stems. Price, $1.00 each; doz., $10.00.

HT **Old Gold.** Coppery red, shaded apricot; a remarkable color; is not resembled by any other rose. The foliage is heavy and the growth vigorous; it blooms very freely. Price, $1.25 each.

Mrs. Charles Russell. A strong growing, free flowering Rose. The foliage is heavy and leathery, is almost mildew proof. The bud is fully as large as American Beauty, but longer and pointed. The color is a bright rose pink, deeper toward the centre. $1.00 each; per doz., $10.00.

Hybrid Tea Rose, British Queen

The opposite illustration shows one of our rose storage houses, where the plants are put, after being potted, in the late autumn, to develop under ideal, natural conditions. There is just sufficient heat in them to temper the atmosphere in extremely cold weather and as a consequence roses wintered under these conditions are almost in the same dormant state as those grown naturally outdoors. As the weather becomes mild in the spring, the sashes are taken off the houses and the plants are allowed to develop until sold. We have five houses like this, three being 120 feet long by 22 feet wide; and two being 100 feet long by 28 feet wide. They have a combined capacity of approximately 50,000 rose plants in 6-inch pots.

One of Our Rose Storage Houses, 120 feet long, 22 feet wide

MICHELL'S EVERBLOOMING HYBRID TEA ROSES

PINK VARIETIES

HT **Antoine Rivoire.** Exceptional bedding variety of excellent shape; flesh pink, shaded dark pink with a yellow cast at the base of the petals.

HT **Betty.** A strong vigorous grower, with deliciously fragrant flowers of a coppery rose color, shaded golden yellow, very free.

HT **Belle Siebrecht.** Brilliant pink, with very large flowers, the buds of which are long and tapering.

HT **Clotilde Soupert.** Properly classified, this rose does not belong under the heading of Hybrid Teas. It blooms from early until frost and even later. The centre is a soft flesh pink, while the outer petals are almost white. For cemetery planting it is the best rose.

HT **Dean Hole.** One of the best roses for midsummer, being loaded with flowers during July and August. The color is very attractive, being deep salmon pink with tremendous flowers.

HT **Duchess of Westminster.** One of the new varieties, introduced by Dickson & Sons. The large perfectly formed flowers with a delicate pointed cup are richly scented. It is a strong growing, free flowering variety of clear rose, pink shade. 60c. each; doz., $6.00.

HT **Earl of Warwick.** Soft salmon-pink with a trace of vermilion in the centre.

HT **Farben Konigin.** Brilliant pink; flower of an enormous size, making an elegant show.

(Bourbon T) **Hermosa.** Its compact-growing bush is a mass of bright pink flowers from June till frost. An excellent rose for cemetery plantings.

HT **Jos. Hill.** Splendid as a cut flower, also deliciously fragrant; the color is a pleasing shade of salmon, turning to pink.

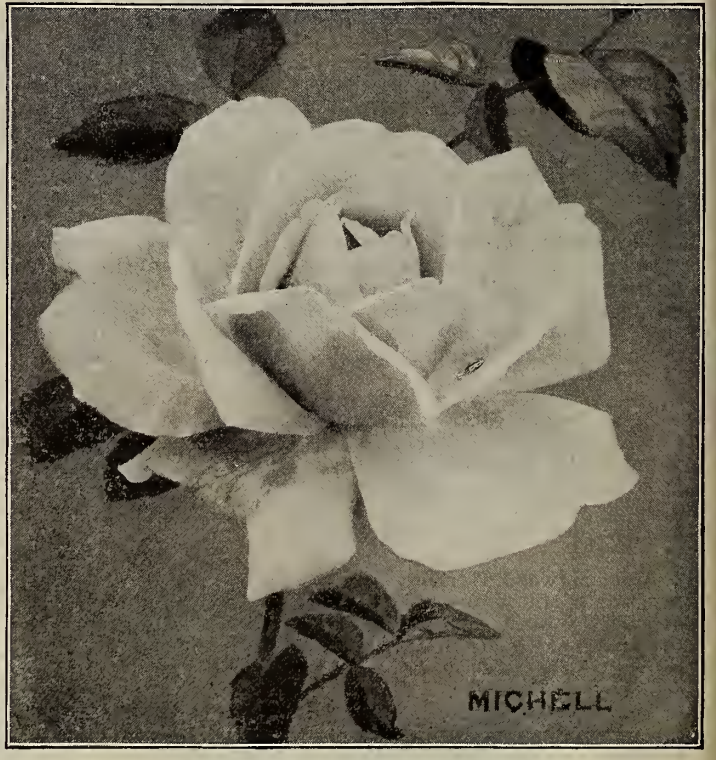
HT **Jonkheer J. L. Mock.** One of the richest roses in cultivation. The flower is perfect, being a grand shade of deep pink, while the outer petals are silvery rose. A free bloomer. 60c. each; per doz., $6.00.

HT **Killarney.** In shape nothing can approach this beautiful rose, its long perfectly shaped bud, which on the outside is is of a delicate pink, unfolds a flower with a deeper pink on the inside.

HT **La France.** Satiny rose, with reflexed petals, which are of a darker pink on the reversed side.

HT **Lady Ashtown.** Delicate rose with a trace of yellow at the petal base. The outer flower leaves expand, while the centre petals remain in exquisite bud form.

With proper care these will flower uninterruptedly and profusely from June till heavy frosts. Their foliage is leathery and very clean; the flowers are borne on strong, extra long stems, their fragrance is deliciously sweet. While they are absolutely hardy, we recommend a covering of long old manure, leaves or straw during the winter, also that the soil be drawn up about the plant 6 or 8 inches at the stem. Varieties marked HT are more hardy than the varieties marked T, which indicates the old-fashioned Tea sorts. The latter, on the other hand, flower a trifle more freely, though no disappointment would follow in a selection of either type exclusively.



The Ever Popular Pink Killarney

Prices of Roses on this Page except where noted, (extra strong pot-grown plants) 50c. each; dozen $5.00; $40.00 per 100 (ha)

Hybrid Tea Rose, Joseph Hill (see page 140)

PINK VARIETIES (*Continued*)

T **Maman Cochet (Pink).** In the vicinity of Philadelphia this rose is grown perhaps more than any other on account of its many good qualities. The individual large flowers are often on stems 2 feet long which makes it grand as a cut flower. The shade of color is a "Bridesmaid Pink."

HT **Mme. Abel Chantenay.** Carmine rose, shaded deep pink. A strong grower and free bloomer, producing an exquisite bud.

HT **Mme. Caroline Testout.** One of the oldest and best varieties. The flowers are of a bright satiny rose shaded deeper in the centre; bud and flower are open or cup-shaped and are very double.

HT **Mme. Jules Grolez.** A flower with an extremely long pointed bud and of a delicate silvery rose, tinted yellow at the base; very hardy and desirable.

HT **Mrs. David Jardine.** Immense double flowers are borne on straight long stalks abundantly all summer, but especially free during June and late in the fall, preferring the cooler weather. Color is a magnificent rose-pink, shaded lighter toward the edges.

Ophelia. A vigorous grower with salmon-flesh shaded pink flowers, which are of perfect shape and very large; long stiff stems, which make it ideal for cutting. $1.00 each; doz., $10.00.

HT **Lady Alice Stanley.** Deep rose, the inner petals are pale pink; large, fragrant flowers. 60c. each; doz., $6.00.

HT **Mme. Segond Weber.** A free-flowering vigorous plant, with large, beautiful flowers; soft salmon-pink.

T **W. R. Smith.** Blush white, suffused bright rosy pink, with large, well-formed flowers.

HT **Mrs. W. Christie Miller.** Soft peach, shaded salmon. Outer petals vermilion rose. 60c. each; doz., $6.00.

Königin Carola. Satiny rose, with silvery white reverse petals; long pointed bud, terminating into a large flower.

HT **My Maryland.** Perfect form and exquisite fragrance. Salmon pink shade, which becomes lighter as the flower opens. It is an elegant grower, and sure to please.

HT **Prince de Bulgarie.** In this rose one will find a combination of colors that is not duplicated in any other; delicate flesh pink shaded deeper in the centre and suffused salmon. The flowers are extremely large and very double. 60c. each; doz., $6.00.

Bourbon T **Souvenir de la Malmaison.** One of the old garden favorites, flowering from early in the season until snow. The flowers are very double deep flesh colored in the centre running to a light pink towards the outer edge. For cemetery planting no variety equals this one.

HT **Souvenir de President Carnot.** Handsome large flower on a stiff erect stem. Easily one of the best in the Hybrid Tea class. Color a delicate soft pink changing to white.

HT **Wm. Shean.** Delicate pink; a large full flower of great size. Continuous bearing throughout the season in profusion of blooms.

HT **Mrs. Charles Russell.** Bright rose pink, deeper toward centre. $1.00 each; doz., $10.00.

Duchess of Sutherland. Large full flower; delicate rose pink shaded yellow. 75c. each; doz., $7.50.

TESTIMONIALS ON MICHELL'S ROSES

Chester, Pa.

The roses you shipped me were extra fine and especially received in good condition.

B. G. Ladomus.

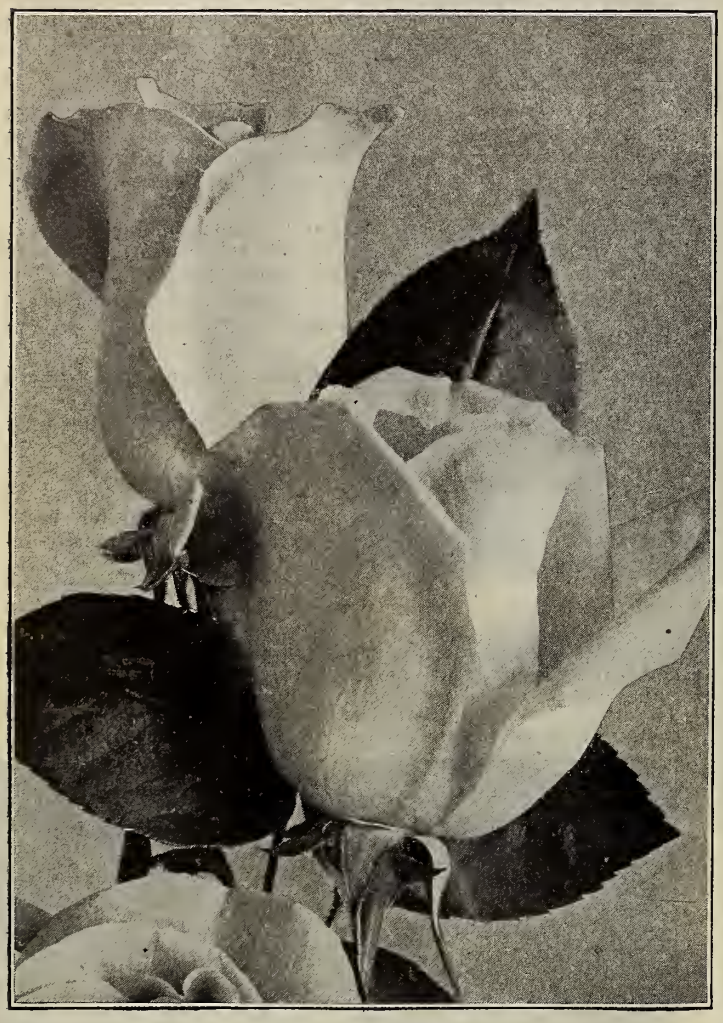
Washington, D. C.

The roses arrived in fine shape and were in extra good condition. I am very much pleased with them indeed, especially for the care you used in filling my order.

F. L. Schultz.

Ophelia (for description see page 139)

Price of Roses on this page (except where noted) strong 2-year-old plants 50c. each; doz $5.00; $40 per 100 (ha)



Rose, White Killarney

WHITE VARIETIES

HT **British Queen.** A wonderful new variety, described on page 139. Price, $1.00 each; doz., $10.00.

HT **Bessie Brown.** Free flowering, vigorous grower with gigantic, fragrant flowers. Cream white shade.

HT **Florence Pemberton.** The flower is of exquisite shape, oblong with a curve towards the top; very double, of a creamy white, suffused with pink; always borne on extra long stems, which makes it suitable for cutting; the form is perfect both in bud and when open and it is by far the most constant blooming rose during the summer.

T **Maman Cochet (White).** The exact duplicate of the Pink Cochet except in color, which is white, occasionally tinted pink.

T **Molly Sharman Crawford.** On opening, the flower is cream colored, which, as the bloom expands, turns to a pure white. We regard it as one of the finest white Tea Roses. 60c. each; per doz., $6.00.

HT **White Killarney.** Like its sister it is of peculiar shape; long and pointed when in bud; while the flowers are pure white, they are occasionally flushed pink on the outer edge; although the blooms show but few petals, the open flowers are exceedingly attractive on account of the enormous petals.

HT **Madame Phillipi Rivoire.** Creamy white, tinged apricot; a beautiful flower, especially when in the bud.

Kaiserin Auguste Victoria. A rose that blooms all summer, producing an exquisite well-shaped full flower; the plant is a strong grower and very hardy; one of the best of the white sorts.

RED VARIETIES

HT **Earl of Gosford.** One of the newer varieties, fully described on page 139. Price, $1.00 each.

HT **Chateau de Clos=Vougeot.** Rich fiery scarlet, which changes to velvety crimson as the flower becomes older. A rose that will bloom all season. 60c. each; per doz., $6.00.

HT **Edward Mawley.** One of the finest of the velvety crimson varieties in size, shape and color. It has all the good qualities a Hybrid Tea Rose can possess. 75c. each; per doz., $7.50.

HT **Etoile de France.** Intense brilliant crimson of fine fragrance, producing elegant pointed buds, which open into an extra large flower. 60c. each; per doz., $6.00.

HT **Gen. MacArthur.** Recommended as the best deep scarlet rose in existence. The fragrance is delightful and blooms, even under most unfavorable conditions, are produced in great number.

HT **George C. Waud.** A rich shade of vermilion, shaded towards orange. The graceful pointed buds develop into a beautiful, full flower. It is very hardy and free.

HT **Gruss an Teplitz.** This is often termed the reddest of the red roses. The foliage, which takes on a coppery red color, is almost hidden with masses of flowers, the centre of which are light red, while the outer petals are crimson red.

HT **Laurent Carle.** Carmine red; very fragrant, with large perfect flowers, which are produced all summer long.

HT **Richmond.** A beautiful variety, a rich shade of crimson; should be in every collection, as nothing approaches it in form for this color.

HT **Geo. Dickson.** This wonderful rose is described on page 139. Price, $1.00 each; doz., $10.00.

HT **Mary Countess of Ilchester.** Crimson carmine, a shade almost indescribable. Highly scented flowers of immense size. 60c. each; doz., $6.00.

HT **Mrs. Walter Easlea.** Glowing crimson carmine, outer petals satiny crimson; large full flower of great fragrance. 60c. each; doz., $6.00.

HT **Willowmere.** A grand variety, described on page 139. $1.25 each.

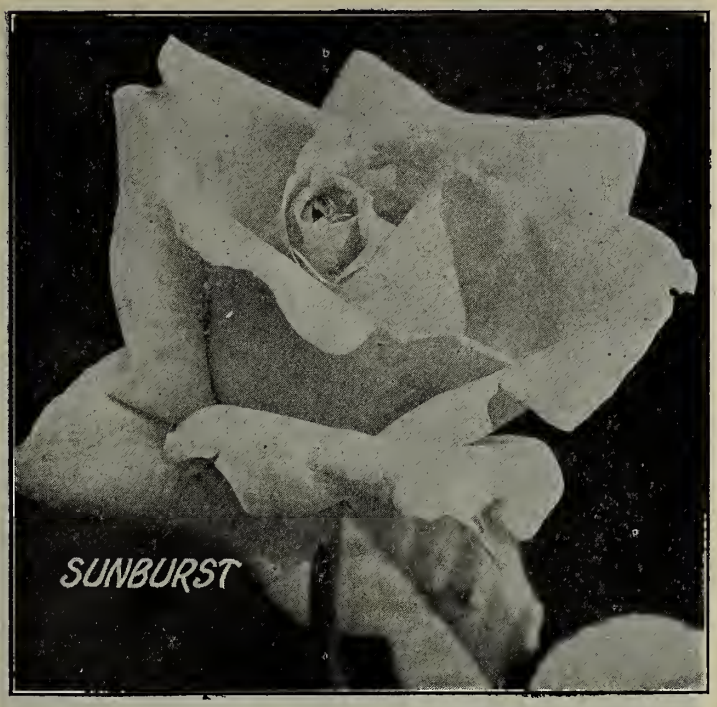
HT **Lieutenant Chaure.** Velvety crimson, large full flower; long pointed bud; vigorous and free flowering. 60c. each; doz., $6.00.

HT **Mrs. A. R. Waddell.** Rosy scarlet buds, opening reddish salmon; reverse of petals rosy scarlet; a very free bloomer. 60c. each; doz., $6.00.

T **Souvenir de Catherine Guillot.** Coppery carmine, shaded orange in the centre; an exceedingly rich colored rose of great excellence; semi-double.

Rose, Laurent Carle

Price of Roses on this page (except where noted) extra strong pot-grown plants 50c. each; dozen $5.00; $40.00 per 100 (ha)



YELLOW VARIETIES

This color embraces probably the best of the Hybrid Tea Rose family. The rich shade of yellow is in great variety, while the odor is delicious. Many of the best varieties in this color do not make strong growing plants, so any extra care bestowed upon them will be more than rewarded with an abundance of bloom.

T **Etoile de Lyon.** A very fine flower and bud of sulphur yellow shade; does exceedingly well in hot weather.

HT **Franz Deegen.** A rich yellow orange, darker in the centre. Deliciously fragrant.

T **Harry Kirk.** The flowers are large, very double, of a deep canary color, edged with sulphur; free bloomer and one of the "Gold Medal type." 60c. each; per doz., $6.00.

T **Lady Hillingdon.** Deep coppery yellow and an attractive long bud. It is very free in growth and a continuous bloomer. 75c. each; per doz., $7.50.

HT **Madame Ravary.** A remarkable color, deep Nankeen yellow turning lighter toward the centre; a large double flower.

HT **Marquise de Sinety.** Light orange yellow with lighter outer petals. The centre is shaded a coppery red, indeed the color is one hard to be described. Must be seen to be appreciated. 75c. each; per doz., $7.50.

HT **Mrs. Aaron Ward.** A conspicuous rose on account of its coloring which is new; as a bud it is deep Indian yellow, as it opens it adopts a broad margin of light yellow on the inner edge, when fully opened it is light yellow throughout. Very free bloomer, the flowers are very exquisite. 60c. each; per doz., $6.00.

T **Perle des Jardins.** The only true pure yellow rose. The bud and flower are of medium size, borne on slender wavy stems; extremely desirable on account of its true tea rose fragrance. It should be protected during the winter.

HT **Souv. de Gustav Prat.** Sulphur yellow, an exquisite variety, very free and vigorous bloomer. 60c. each; doz., $6.00.

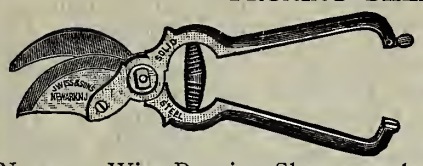
T **Souv. de Pierre Notting.** A splendid variety on account of its freedom of bloom, which extends through the whole season. The color is an apricot yellow, blended a copper shade.

HT **The Lyon.** Easily recognized by its wonderful color, which is a warm coral red with a buff yellow base; the flowers are immense in size and are cup-shaped, both bud and open flower are very attractive.

HT **Mrs. Sam. Ross.** Pale straw; flushed deeper yellow on the reverse of the petals; extremely free flowering and of great fragrance; grand variety. Price, $1.00 each.

HT **Old Gold.** A remarkable color combination, described on page 139. Price, $1.25 each.

PRUNING SHEARS



A good pair of these will be found indispensable in the rose garden. On page 205 will be found a complete assortment offered.

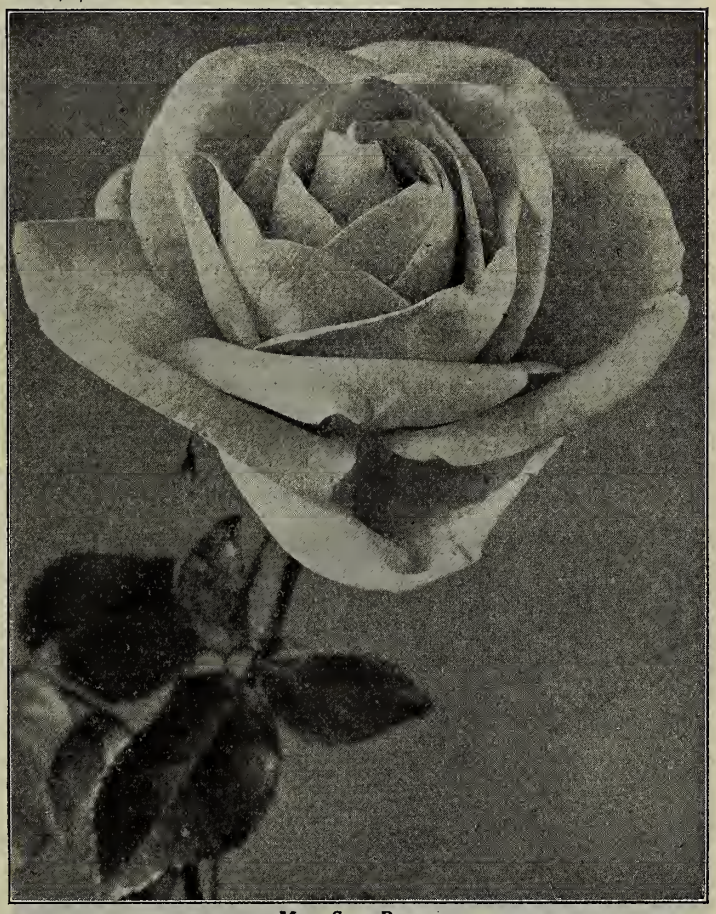
No. 109. Wiss Pruning Shears made of solid steel. 8 inches long; $2.00 per pair. Parcel post weight, 2 lbs.

ROSE GATHERER (See below)

Cuts the stem and holds it without crushing. Just the thing to carry in the pocket or flower basket. 6 inches long. Price, $1.00.

ROSE SCISSOR (See opposite)

Cuts flower and holds the stem. Nickeled, $1.00.



Mrs. Sam Ross

HT **Sunburst.** Long pointed buds; golden orange flowers; very free bloomer and a strong grower. 75c. each; doz., $7.50.

HT **Duchess of Wellington.** Deep saffron yellow, inclined to orange; buds are long and pointed, while the petals are of wonderful substance. 60c. each; doz., $6.00.

HT **A. R. Goodwin.** Rich coppery orange. It develops into soft pink, as the flower opens. Free vigorous bloomer.

HT **Dorothy Page Roberts.** Coppery yellow; the flower petals have wonderful substance and are produced with wonderful freedom. 60c. each; doz., $6.00.

HT **Madame Leon Pain.** Salmon, with a deep orange yellow centre, pink on the reverse petals. The flowers are large, full and very free.

HT **Madame Melanie Soupert.** Rich salmon yellow, tinged carmine and pink; an unusually fine flower.

T **Miss Alice de Rothschild.** Rich, deep yellow; the flowers are large, full and of perfect shape. Vigorous grower and continuous bloomer. Very fragrant. 60c. each; doz., $6.00.

MICHELL'S HYBRID PERPETUAL HARDY ROSES

These differ in character from the Tea sorts in that they produce their crop of flowers for the most part in June and during the following months occasionally a few blooms. The flowers are of immense size, very double and the real old-fashioned rose odor. They deserve a place in every garden, where roses are a feature. The plants are very strong growing and after flowering should be cut back slightly. This induces new growth of wood for the following season, making them more bushy. On the first approach of lasting spring weather the plants should again be pruned back to within 8 or 10 inches of the ground, when a marvelous rose crop will follow. They are extremely hardy and need no protection.

PINK VARIETIES

American Beauty. The rich deep pink, with an odor entirely distinct. With a little care such as watering in dry weather and a covering of manure in winter these live for years.
Baroness Rothschild. Soft delicate pink, very large.
Captain Christy. Delicate flesh pink, very free.
Clio. Delicate flesh color, shaded deep pink in the centre.
George Arends. This is a clear pink variety of the Druschki type. It is frequently referred to as the pink Druschki Rose.
President Kruger. Rich velvety crimson.
Madame Gabriel Luizet. Pale pink, very sweet.
Magna Charta. One of the largest; color deep pink.
Mrs. John Laing. Soft pink, very fragrant and large.
Mrs. R. G. Sharman Crawford. The finest light pink rose.
Paul Neyron. The largest of all roses, deep rose.

RED VARIETIES

Fisher Holmes. Bright scarlet, shaded deep maroon.
General Jacqueminot. The old favorite; velvety crimson
Prince Camille de Rohan. Deep velvety crimson maroon.
Ulrich Brunner. Bright cherry red, flowers large and full.
Baron de Bonstetten. Velvety red, almost black; a vigorous grower; large, double, sweet-scented flowers.

WHITE VARIETIES

Frau Karl Druschki. An exquisite flower of the purest white.
Margaret Dickson. A very large, pure white; the best of its color in the Hybrid Perpetual class.
Gloire de Lyonnaise. White, with a slight trace of yellow; very large full flower. One of the best in this color.

Price of any of the above extra strong, 2-year-old plants, **50c. each; $5.00 per doz.; per 100, $35.00.**

Hybrid Perpetual Rose, Mrs. John Laing

Rosa Wichuriana makes a handsome wall decoration

AUSTRIAN BRIARS AND HYBRIDS

Rather a distinct class, being of wonderfully strong growth, and flowering in the early summer and again somewhat in the late summer and early fall.

Juliet. This rose is a favorite wherever seen, and cannot fail to give satisfaction; in Britain it is one of the principal cut flower varieties. The color is a rich vermilion red, the reverse of the petals old gold. It is a strong, erect grower and delightfully fragrant.
Persian Yellow. Very hardy, producing medium sized flowers of a rich deep yellow. Very double.
Soleil d' Or (*Golden Sun*). Varies from golden orange to reddish gold, large, full, perfectly double flowers and a continuous bloomer.

Price of any of the above extra strong, 2-year-old plants, 50c. each; $5.00 per doz.; per 100, $35.00.

ROSA WICHURIANA (The Creeping or Memorial Rose)

The long slender stems which are completely dressed with small glossy deep green foliage trail to any rock, ground, trellis or wire and often grow 20 feet in one year. During their flowering season the foliage is entirely hidden by the wealth of fragrant blossoms. For cemeteries they are ideal, as they flower about the end of May. Rockeries, terraces and bare spots in gardens cannot be more readily beautified. We send out extra strong plants only.

	Each	Doz.
Alba Rubraefolia. Large, double pure white flowers, the shining green foliage is tinged with bronzy red	$0.50	$5.00
Gardenia. Buds bright yellow, open double cream-colored flowers	.40	4.00
Wichuriana Type. Single white flowers	.40	4.00

Tree or Standard Rose—Frau Karl Druschki

STANDARD or TREE ROSES

There is a demand for these and we have confined ourselves to seven of the most popular kinds, which includes some of the Tea varieties and Hybrid Perpetuals. In Europe they are planted more extensively than the bush. They are budded plants and we recommend that the stems or trunks are slightly protected during winter. This can be accomplished with either paper or straw or they can be bent down carefully and the trunk covered with suitable litter. While this is not essential, it is a wise course to follow in wintering tree roses.

HT **Mme. Jules Grolez.** Delicate silvery rose, tinted yellow at the base.

HT **La France.** Satiny rose, with reflexed petals, which are of a darker pink on the reverse petals.

HT **Killarney.** In shape nothing can approach this beautiful rose, its long perfectly shaped bud which on the outside is of a delicate pink unfolds a flower with a deeper pink on the inside.

HT **Gruss an Teplitz.** This is often termed the reddest of the red roses. The foliage, which takes on a coppery red color, is almost hidden with masses of flowers, the centre of which are light red, while the outer petals are crimson red.

HT **Frau Karl Druschki.** Very large flower; pure waxy white. This is sometimes referred to as the white American Beauty. We can recommend this variety in highest of terms to every lover of roses.

HP **Paul Neyron.** Deep rose pink, producing flowers of an enormous size; very double.

HP **Ulrich Brunner.** Bright cherry red; large full flowers of rich fragrance.

Price of any of the above Standard or Tree Roses, fine pot-grown plants, $1.25 each; doz., $12.00. One each of the above seven varieties for $7.00.

DWARF, BABY RAMBLER, or POLYANTHA ROSES

For bedding, simply to produce a flowering effect, these give remarkable satisfaction. They are not much for fragrance or cutting, but the large panicles of flowers are appearing continuously from June until severe frost. They are best when kept pruned to a height of about 2 feet, at which size they develop into handsome, shapely bushes.

Madame Norbert Levavasseur (*Crimson Baby Rambler*). This is identical with the Crimson Rambler in color and form, except that it is probably more intense red.

Katherine Zeimet (*White Baby Rambler*). Pure white, with yellow stamens. Makes a variety of color when planted in with pink or scarlet.

Mrs. W. Cutbush (*Pink Baby Rambler*). A cerise pink; a persistent bloomer, with very double flowers.

Annchen Müller. Brilliant rose pink flowers, produced in enormous clusters. The flower petals are somewhat frilled, which make it especially attractive.

Louise Walter. Soft blush pink, almost the exact shade of the variety "Tausendschoen." The flowers are larger than most of the other varieties, but are fewer in number.

Orleans. Rich brilliant red flowers, which turn to pink as they become older. The centre of the flower is white.

Erna Terschendorff. The true scarlet Baby Rambler, decidedly the best colored one in this class and holds its color for a long while, without fading.

Jessie. Bright orange red flowers, almost single, produced in clusters in great abundance.

Phyllis. One of the best Baby Rambler. The color is a beautiful carmine pink; a continuous bloomer and very hardy.

Price of any of the above, **50c. each; doz., $5.00; $35.00 per 100.**

The Baby Rambler is one of the best Roses for bedding

Moss Rose

MOSS ROSES

In our grandmother's garden the Moss Rose was considered the finest flower. When in bud form, these are unusually attractive; the base of the flower is covered with what seems to be a delicate mossy growth. We do not recommend heavy pruning of Moss Roses, as a slight thinning out of the wood, in the season after they have flowered, is sufficient.

Blanche Moreau. An exquisite pure white variety, producing large flowers.

Crested Moss. Deep rose pink; remarkably attractive flower.

Crimson Globe. Rich deep crimson, large full flower.

Price of any of the above, extra strong 2-year-old pot-grown Moss Roses, 50c. each; doz., $5.00.

ROSA RUGOSA (Japanese or Shrubbery Rose)

Very robust with deep green puffed foliage and produces semi-double and double flowers in profusion during June. In fall and winter the plants are covered with bright red, large berries; an excellent plant for a shrubbery bed or a solid hedge.

	Each	Doz
Alba. Single white	$0.35	$3.50
Blanc Double de Coubert. Large double pure white	.50	5.00
Conrad Ferd. Meyer. Double, light pink	.50	5.00
Rubra. Crimson carmine, single	.35	3.50

LARGE FLOWERING CLIMBING ROSES

American Pillar. Single, flowers large, 2½ to 3 in. in diameter, of a rich shade of pink with a distinct white centre, produces immense clusters, being very showy and attractive. The growth is exceptionally strong, foliage a shiny dark green, and insect-proof. An additional attraction in autumn are the clusters of red seed berries. Extra strong, 2-year-old plants, 50c. each; doz., $5.00.

CLIMBING ROSES (*Continued*)

Christine Wright. One of the new varieties, and a cross between the popular Hybrid Tea, Caroline Testout and a seedling. This rose when more widely known will be extensively planted. The color of the flower is a bright rose-pink, measures 3½ to 4 inches across, is of perfect form, beautiful in the bud and acceptable in the fully developed flower. During June it is at its best, but continues to give flowers throughout the entire season. This is sure to give satisfaction. We offer extra strong plants at 60c. each; doz., $6.00; $45.00 per 100.

***Climbing Kaiserin Augusta Victoria.** This possesses all the qualifications of the dwarf Kaiserin, particularly the freedom of bloom, exquisite odor, and the fine shade of white. Extra strong, 2-year-old plants, 50c. each; doz., $5.00; $35.00 per 100.

***Climbing Killarney.** Delicate soft pink, identical with the dwarf variety, bearing the same name. As the flower unfolds, it shows a shade of deeper pink on the inner petals. Extra strong, 2-year-old plants, 50c. each; doz., $5.00; $35.00 per 100.

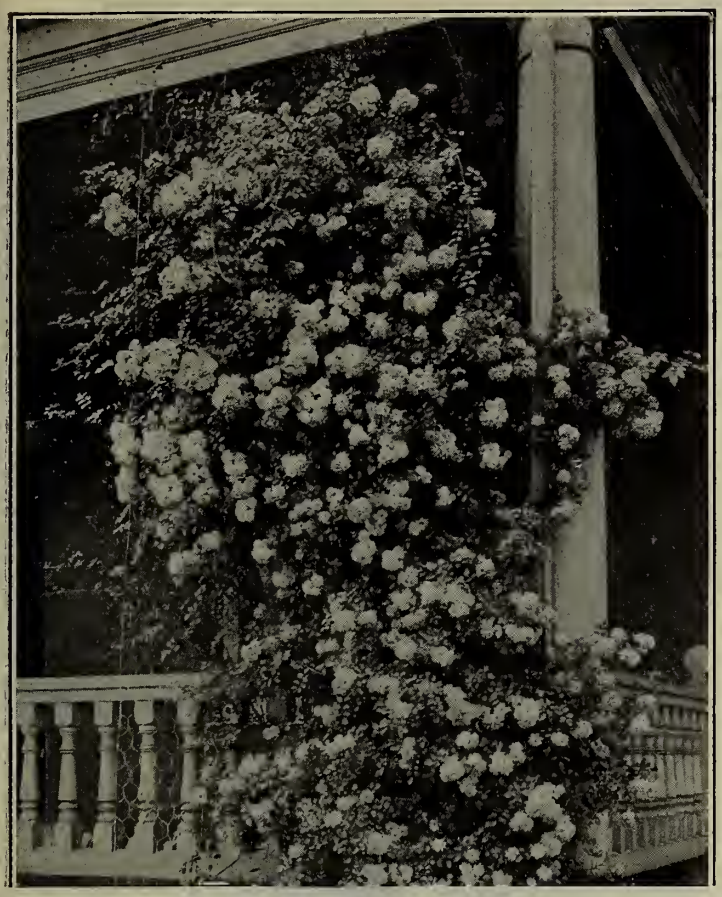
***Climbing Lady Ashtown.** Delicate pink, with a slight trace of yellow at the petal. While the outer petal expands, the center remains in bud form. 60c. each; per doz., $6.00; $45.00 per 100.

Climbing American Beauty. A rose which has come to stay. Climbing American Beauty is a decided acquisition, possessing the deep pink color of one of its parents (American Beauty), and also its very delightful fragrance. We have here a combination of qualities very rarely found in this class of Roses. It often makes canes 15 feet long in a season; the flowers are 3½ to 4 inches in diameter and produced in great profusion, not only during May and June, but off and on all summer. Extra strong plants, 60c. each; doz., $6.00; $45.00 per 100.

***Climbing La France.** Satiny rose, with reflexed petals, which are darker pink on the reverse side. The climbing form of this variety is equally satisfactory as the dwarf one. Extra strong 2-year-old plants, 60c. each; doz., $6.00; $45.00 per 100.

Reine Marie Antoinette. Cherry red; frequently referred to as the red Gloire de Dijon. It is an exceptionally good variety and will please every one, who favors climbing roses. In the latitude of Philadelphia this sort must be carefully protected in the winter, to insure its permanency. Extra strong, 2-year-old plants, 50c. each; doz., $5.00; 100, $40.00.

Rosa Rugosa



Climbing Rose "Lady Gay"

Aviator Bleriot. Improved yellow Rambler. A vigorous grower with dark green, glossy foliage, which seems to be immune to attacks by insects and disease. It produces large clusters of double, deep sulphur yellow flowers, darker yellow, almost an orange shade in the centre. It is a variety which will appeal instantly to all lovers of climbing roses.

Baltimore Belle. An old favorite with blush flowers, borne in large clusters.

Crimson Rambler. This well-known variety produces in abundance large clusters of crimson flowers. Strong plants, 50c. each; doz., $5.00. Extra strong 3-year-old plants, 75c. each; doz., $7.50.

Dorothy Perkins. Pink flowers in long sprays which are very fragrant and lasting; a deservedly popular rose.

Excelsa (The Crimson Rambler par excellence). This variety supersedes to a great extent the older Crimson Ramblers, not only by reason of its intense crimson-maroon flowers, which are tipped with scarlet and are very large for a rose of this type, but because of its healthy lustrous foliage, which is free from mildew. It is a very free-flowering rose, its blossoms breaking from almost every eye in clusters of from 30 to 40 flowers.

Flower of Fairfield (The everblooming Crimson Rambler). Exactly like the Crimson Rambler in appearance, except Flower of Fairfield blooms periodically during the summer. It is very vigorous; many new growths made each season. Extra strong 3-year-old plants, 75c. each; doz., $7.50. Strong plants, 50c. each; $5.00 doz.

Hiawatha. Single brilliant scarlet, with a yellow circle around the centre, flowering in large clusters. Most dazzling and effective. The foliage is retained until very late in autumn and always presents a clean, bright green, healthy appearance; should be on every pergola, though it is attractive when supported on a single stake.

Price of any of the Climbing Roses on this page (except where noted) in strong 2-year-old plants, 50c. each; doz., $5.00; $35.00 per 100.

Since the introduction of the Crimson Rambler, Climbing roses have made rapid strides in popular favor. A great number of varieties have been put on the market since then, some of which we have found by careful trial to be of exceptional merit. They are of strong, robust growth, often making shoots 20 feet long in a single season, and when in flower are truly a magnificent sight. We offer only the best sorts in heavy 2-year-old plants.

Note.—Climbing roses do not require annual pruning, as do the H. P. and H. T. varieties. A good thinning out, though, of the surplus wood in the early spring, or after flowering time is advisable. In pruning the climbing Roses, which are of a H. T. nature, such as are marked with an * (see page 146), if the weak, thin wood is cut out entirely, and the strong shoots are cut back somewhat, they respond marvelously with a wealth of bloom. Climbing roses produce their main crop of flowers in June.

Lady Gay. Cherry pink buds, which when open are of a soft white color; very free flowering; extremely useful variety.

Silver Moon. Gigantic pure white flowers (resembling somewhat a Clematis bloom), frequently 5 inches in diameter. This is the ideal climbing rose for planting along fences, while for pillar and trellis work it is equally satisfactory. It has a delicate rose scent, and the flower stems are frequently 15 inches long. The foliage is rich green, at times shaded bronze. The flowers are especially attractive in the evening and even in the dark they stand out conspicuously; we judge from this fact alone, it has received its name. Extra strong, 2-year-old plants, 75c. each; doz., $7.50; $50.00 per 100.

Tausendschon. We cannot too highly recommend this rose on account of its free-flowering qualities and its exquisite shade of soft pink, which changes to a rosy carmine when fully open. These flowers are borne in large sprays of from 10 to 15 flowers each, individual flowers measuring quite 3 inches across. For pergolas or pillars it has few equals.

White Dorothy Perkins. The best white Rambler Rose yet introduced, being an exact counterpart of Pink Dorothy Perkins, excepting color; a desirable rose. Extra strong 3-year-old plants, 75c. each; $7.50 doz. Two-year-old plants, 50c. each; doz., $5.00.

Single Flower of Climbing American Beauty Rose

(See page 146)

SPECIAL OFFER OF 3 YEAR OLD POT GROWN CLIMBING ROSES

We have a limited number of these in the following varieties, carried over from the previous season, which are splendid plants for exceptional effect the first season.

	Each	Dozen
American Beauty (*Climbing*)	$1.00	$10.00
Crimson Rambler	.75	7.50
Dorothy Perkins (*White*)	.75	7.50
Flower of Fairfield	.75	7.50

Our Roses are extra large and can be shipped via express or freight only. No Plants sent C. O. D. (ha)

MICHELL'S NOVELTIES IN PERENNIAL PLANTS

Our Plant Establishment makes a specialty of Perennials and is in charge of an expert in that line. During the past season we have greatly increased our facilities and our list of hardy plants is a representative one. We devote to this class of stock some 39 acres and have now established for the benefit of customers a permanent border of perennials, wherein is planted some of every variety of hardy plants and roses, listed in this catalog During the spring, summer and autumn plants, our customers or whoever is interested, will find a visit to our Nurseries not only interesting, but very instructive. All plants are carefully labeled in our trial beds, so that one can take his own time in making notes and observations. Our Nursery Superintendent will be glad to have a competent person lend any assistance, or give information that might be desired. Your trade in the line of perennial plants is especially solicited.

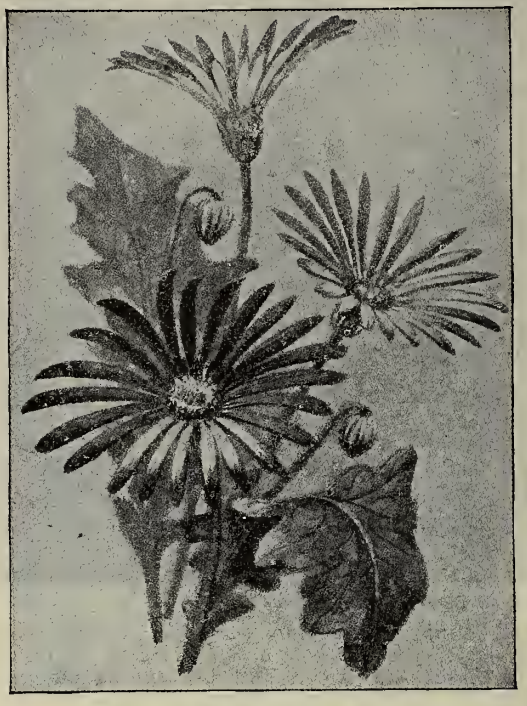
Type of Hardy Border Carnations, frequently as large as those grown in greenhouses

HARDY BORDER CARNATIONS

The popularity of Carnations has increased enormously during the last few years, and were it not that a greenhouse is in most cases necessary, they would most assuredly bid fair to eclipse the rose and become the Queen of Flowers. The chief object of the introducer of these perpetual flowering Carnations has been to secure hardiness and vigor of constitution, combined with free-flowering qualities. This class embraces a marvelous range of color, running from pure white through all the delicate shades of pink, from light to darkest shade of yellow, covering also all the light and dark shades of red. Our stock will produce about 80 per cent. of double flowers, though the single ones are attractive and preferred by many. The plants should be procured and set out as early in April as possible. They thrive in any ordinary, good garden soil; one that has good, natural drainage. At the approach of winter a covering of leaves will be found of benefit to carry them through safely. Strong plants, that will bloom the first year, in mixed colors, as above described, 25c. each; doz., $2.50; $17.50 per 100.

Stock limited and we predict a big sale for these.

GERBERA JAMESONI HYBRIDA (Transvaal Daisy)



Gerbera Jamesoni

Strictly speaking this might be called a tender perennial, as it requires wintering over in a cold frame. For grace and beauty we know nothing that can approach it. The daisy like flowers, which cover the various colors of red, orange, yellow and pink, appear freely on low growing plants, the stems being about 18 ins. long. It is very desirable as a cut flower, lasting quite a while in water. It flowers very easily in a cool greenhouse or conservatory.

Strong plants, to bloom the first season, 35c. each; doz., $3.50.

IRIS INTERMEDIA

An entirely distinct type, being a cross between a German Iris and a shrubby Iris, known as the Pumila type. It is medium early to bloom, flowering in between Iris Pumila and Iris Germanica. Plants grow about 18 inches high and are surmounted with large flower heads, on spikes, which grow well above the foliage; appearing in May.

Ceres. Standards and fall pearl white; orange beard.

Charmant. Standards, silvery white; pearl falls, with deep blue markings.

Walhalla. Standards, light blue, violet blue falls; yellow beard.

Price of the above, 30c. each; doz., $3.00.

LYTHRUM

Salicaria, Brightness. This variety produces long, graceful spikes of brilliant rose pink flowers. Stems about 4 feet long. A desirable plant for borders or massing near streams or lakes. Exceptionally hardy and fine for cutting. Blooms July until September. Strong plants, 25c. each; doz., $2.50.

Virgatum Rose Queen. The long flower spikes of a most telling shade of rose are wonderfully bright and produced in remarkable abundance. A batch of this in our nursery was a source of admiration from July until September to all who saw it. This is by far one of the brightest colored of the popular "Loose Strife." Grows 3 to 4 feet high. Strong plants, 25c. each; doz., $2.50.

MONARDA (Bergamot)

Salmonea. A splendid new variety, covered in July and August with long flower stems crowned with beautiful salmon pink heads. The foliage has an exclusive pleasing odor. It grows 2 to 3 feet high and makes a handsome show. Price, 50c. each; doz., $5.00.

Pyrethrum Queen Mary

PYRETHRUM

These are among the showiest of the hardy perennials; for cutting nothing surpasses them. The following two varieties are among the latest introductions.

Queen Mary. Shown before the R. H. S. of England, this variety created a sensation and was unanimously voted an award of merit. The color is a bright peach pink, of a pleasing and distinct shade, altogether a new color in this class of plants. The flowers are large and very double, blooming in July and August. Strong plants, 50c. each; doz., $5.00.

Lord Roseberry. Brilliant crimson scarlet, almost a dazzling shade. The large flowers are very full and are produced on long stiff stems, making it a gem for cutting. Strong plants, 50c. each; doz., $5.00.

See top of next column for description of this Lupinus.

LUPINUS ARBOREUS (Tree Lupin)

Somerset. Grows in a fine bush form and is literally covered with spikes of soft yellow flowers, about 4 feet high. This variety is entirely separate and distinct from the Polyphyllus type, with which however it masses readily. A grand border plant and extremely valuable for cutting; flowers in July and August. Strong plants, 35c. each; doz., $3.50.

SALVIA

The hardy varieties of this plant are coming into great favor by reason of their beauty and freedom of bloom during the summer.

Uliginosa. A beautiful, late flowering species of an attractive shade of blue with a distinct white eye. This variety was shown in the autumn of 1913 before the Royal Horticultural Society of England, and was greatly admired and received an award of merit. The plant is of upright habit, branching, and with us grows about 5 feet high. It blooms freely and flowers practically at every axil. All who have seen it, at our nursery during the summer and autumn, were impressed with its unique and distinct beauty. Strong plants, 50c. each; dozen, $5.00.

Greigi. This novelty is an extremely useful plant, growing into a symmetrical, hard-wooded shrub, 2½ to 3 feet high. The pretty soft cerise crimson flowers are produced in such abundance as to completely hide the foliage. It blooms the entire summer and is quite hardy. Strong plants ready in May. 35c. each; doz., $3.50; $25.00 per 100.

Viburnum Carlesi

VIBURNUM CARLESI

A beautiful new Japanese Snowball of recent origin. The flowers are large, pure white and borne in loose panicles quite unlike the "Plicatum" and "Opulus" sorts. It rather resembles a head or truss of the Bouvardia flower; it has an exquisite odor, and is valuable for cutting. It does not grow quite so rank as the common varieties, and should be included in every shrubbery collection. Strong plants that will bloom the first year. 75c. each; doz., $8.00.

MICHELL'S EARLY FLOWERING HARDY CHRYSANTHEMUMS

Last year we offered these in our Catalogue for the first time and in the spring marveled at the heavy demand for them. It became, however, very clear to us this autumn, when we had the opportunity of comparing them with the other types of hardy Chrysanthemums, to realize why they sold so readily. Last season we procured our stock from a leading grower in England and offered them on the strength of his recommendation. Especially on that account we were pleased that they fulfilled all claims made for them. The plants are of dense compact growth and are literally covered with flowers.

Private gardeners and others, who are not yet acquainted with this type of Chrysanthemum, on seeing them for the first time, will realize at once their wondrous beauty and free-flowering qualities. Although they are principally cultivated as an outdoor plant, they respond wonderfully when grown inside.

The varieties of these, which we list, are the cream of European sorts, and are a wonderful advance on the popular Pompon types. They are chiefly conspicuous by the fact that they commence to bloom as early as August and continue in flower until cut down by severe frost. The blooms of most kinds measure as much as 3½ to 4 inches across, and if disbudded, form handsome specimen blooms on long stems, admirably adapted for decorative purposes. We predict that when these become better known they will entirely supersede the smaller type of hardy "mums" now in general use.

Normandie

Le Pactole. A vigorous grower, yielding a very large flower of a bronze-yellow shade. It is a fine variety for cutting, as it shows off well under artificial light.

Madame Marie Masse. A lovely shade of lilac mauve; a variety that will appeal instantly to all lovers of Chrysanthemums. Commences to flower in September.

Mrs. A. Beech. A distinct shade of bronze, flowering in October.

Mabel Roberts. Beautiful deep pink flowers, produced in long, erect sprays; blooming in September and October.

Normandie. Delicate pink of a lovely shade. One of the earliest, beginning in August and lasting well into October.

Orange. A terra-cotta shade, producing a charming color effect. The plant grows about 2½ feet high.

October Gold. Extremely free-flowering, of a bronzy yellow shade; it blooms late and is one of the very best.

Provence. Beautiful rose color, with a golden centre, forming a large imbricated bloom; of splendid branching habit and a vigorous grower. The plant is usually 2½ feet high, flowering in September and October.

Queen of the Earlies. This is the parent plant of the yellow sort of the same name, except this is a pure spotless white. Blooms in September and October.

Wells Crimson. Bright crimson flowers, while the reverse and tips of petals are golden bronze.

Price of any of the above hardy early flowering double Chrysanthemums in strong plants, that will flower the first season, 20c. each; doz., $2.00; $15.00 per 100.

SPECIAL OFFER: One each of the above 19 varieties for $3.00.

After June 15th, we will undertake to furnish these early flowering Chrysanthemums (if the demand is not too heavy in the early season) in 6-inch pots. Extra strong plants, 50c. each; doz., $5.00; $37.50 per 100.

Border Beauty. A fiery red shade of orange, tipped gold. A distinct and attractive variety; looms up well from a distance.

Champagne. Rich, ruby red; of wonderful free-flowering habit. It is among the later varieties, starting to flower early in October and lasting until mowed down by frost.

Countess. A lovely pure white variety, which produces very large flowers, when disbudded. As a cut flower it is one of the best. It flowers during September and October.

Crimson Marie Masse. Exceptionally fine, having the vigorous habit and free-flowering character of the parent plant; the shade of red is particularly fine.

Ethel Blades. A distinct shade of chestnut red, in fact the color is so unique, that it is difficult to appreciate, unless one actually sees it in bloom.

Goachers Crimson. This variety grows about 2½ feet high, with flowers, which are carried on long stems. When disbudded, the rich crimson blooms are often 5 inches in diameter. It begins to bloom early in September.

Golden Queen of the Earlies. A sport from the white variety of a similar name. This, however, is a rich shade of yellow and may be regarded as one of the best in its class. The flowers are large, borne upright and the stems are very stiff.

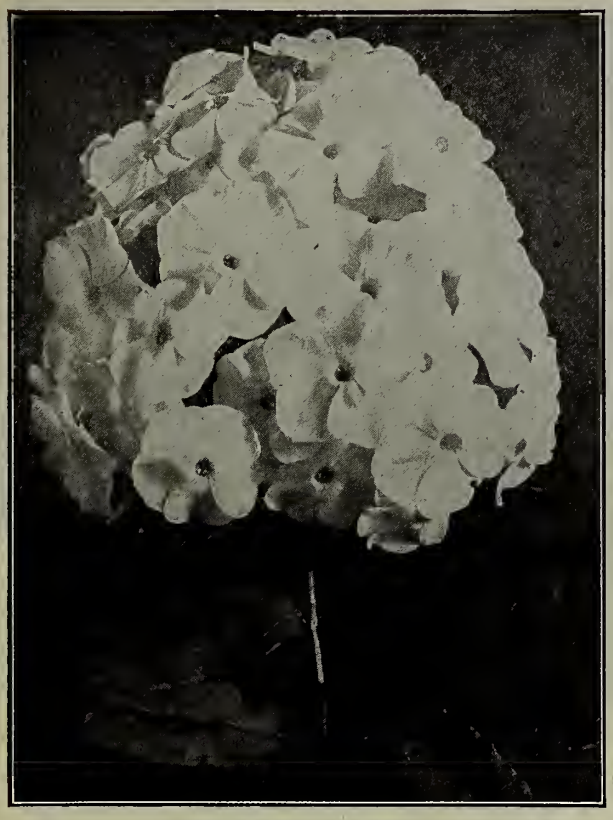
L'Argenteuillais. A splendid grower, bearing magnificent flowers of a glowing shade of chestnut red.

La Parisienne. A very large white type, producing extra fine flowers, blooming towards the end of September.

Countess

Plants ship best by express or freight. None shipped C. O. D. (ha)

A PAGE OF TWELVE NEWER HARDY PHLOXES



Phlox Tapis Blanc

Hardy Phlox have become so generally known that it seems almost out of place to pass any remarks about them. We are convinced that the varieties offered on this page, after having them tried in our nursery thoroughly, represent the best sorts obtainable. In the past summer they were admired by thousands of people, who passed our Nurseries by train, trolley or automobile and who were fortunate enough to be able to inspect them at close range through a personal visit.

Africa. A rich shade of royal purple, which is suffused with crimson. The variety is exceptionally distinct, nothing really can take its place. The flower trusses are enormous, and it should be included in every collection, where real show is wanted. 25c. each; doz., $2.50; $15.00 per 100.

Asia. The elongated flower heads with us at the Nursery were easily 7 inches long and 5 inches through the centre; in fact, on young plants, set out last spring, nothing was on view but the flower truss, so gigantic were they. It is a rich shade of mauve, entirely distinct from other varieties. On account of having a large stock the price has been marked low, when in reality it should be more. 25c. each; doz., $2.50; $15.00 per 100.

Gefion. A rich peach-blossom pink with enormous flower trusses. The plant is of compact growth and very sturdy. The flowers have a deeper pink eye and altogether it may be regarded as a new shade. 30c. each; doz., $3.00; $18.00 per 100.

Iris. This is a variety of rare merit and whether grown in masses or as a single specimen, the color will immediately arrest the eye. It is a deep reddish violet, of compact erect habit with flower trusses, that rival any others for size. 35c. each; doz., $3.50; $20.00 per 100.

Linfield Beauty. For the present this may safely be regarded as the salmon pink Phlox of the future. We cannot describe it better than to say, it is an improved variety of Elizabeth Campbell. The flowers, though, are of heavier texture than the latter and it keeps its color remarkably well during hot weather; in fact, at our Nurseries, we observed last summer, that the dryer and hotter the weather, the more intense seemed the color of this Phlox. It begins to flower early and lasts late into the summer and all who have seen it at our grounds last year, claimed it to be the best of its color. Although we did not catalog it last year, we had a heavy demand for it, consequently the supply will be limited. Early ordering is advisable. 50c. each; doz., $5.00; $35.00 per 100.

Rheinlander. Deep salmon pink, with a distinct bright red eye. The plant is of a vigorous, branching habit and flowers with wonderful freedom. It is very early and lasts well into the season. The trusses are of gigantic size and of fine form and substance. 30c. each; doz., $3.00; $18.00 per 100.

Tapis Blanc. Undoubtedly the best of the semi-dwarf white sorts. The flower panicles are immense, making a great display early in the season, lasting well into the autumn. In our judgment, after having proved it, we feel safe in saying that it is the best white Phlox to-day. 50c. each; doz., $5.00; $35.00 per 100.

Tragedie. Deep carmine, a distinct shade with a lighter red eye. The flower heads are very compact and attractive. 30c. each; doz., $3.00; $18.00 per 100.

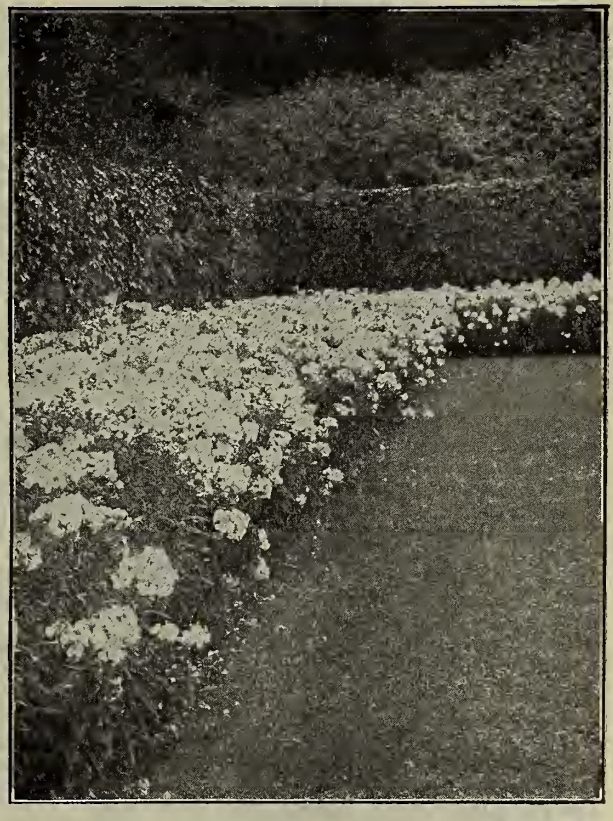
Professor Virchow. Rich bright carmine, suffused orange scarlet. An attractive color combination that should appeal to all who like Phlox. 25c. each; doz., $2.50; $15.00 per 100.

Wanadis. A combination of white and light violet, with a bright red eye, shaded towards purple. It is so entirely different from other sorts, that it reminds one of the early flowering Divaricata Canadensis type. They will become very popular, when properly introduced, being satisfactory in every way; a vigorous grower and of free-flowering habit. 30c. each; doz., $3.00; $18.00 per 100.

W. C. Egan. One of the prettiest in our entire collection, the color being a pale lilac with an intense solferino-red eye. It is of medium height and of branching habit, which means a free bloomer. A grand variety for the border. 30c. each; doz., $3.00; $18.00 per 100.

Widar. Light red, somewhat shaded violet. Each floret has a distinct white centre, which tends toward making the flower truss exceptionally showy. A free-flowering, attractive variety, which should be in every collection of Phloxes. 25c. each; doz., $2.50; $15.00 per 100.

SPECIAL OFFER: One each of the above newer Phloxes, 12 in all, for $3.50.



Phlox W. C. Egan

For other Hardy Phloxes, see page 138.

Aquilegia or Columbine (See page 153)

Artemisia Lactiflora (See page 154)

Hardy Aster (See page 154)

Acanthus (Bear's Breech)

Caroli=Alexandra. Deeply cut, dark green leaves, peculiarly protected with long spines. The ornamentation of the Corinthian columns are said to have been suggested by the leaves of this plant. 35c. each; doz., $3.50.

Achillea (Sneezewort)

A graceful plant with finely cut foliage. The flowers are fine for cutting; it blooms the entire summer.

Boule de Neige (*Ball of Snow*). An improvement on The Pearl; flower pure white; 2½ feet high.

Eupatorium. Brilliant yellow; 4 to 5 feet.

Millefolium Cerise Queen. Rich amaranth. An attractive combination when massed with the white variety; 18 inches high; red.

Ptarmica Plena, The Pearl. Flowers the entire summer on strong, erect stems 2 feet high; of the purest white.

Price of Achilleas, 15c. each; doz., $1.50; $10.00 per 100.

Aconitum (Monkshood or Helmet Flower)

Bushy plants, blooming in clusters of beautiful helmet-shaped flowers from late summer till frost. Well adapted for shaded and semi-shaded locations.

Autumnale. Deep purplish blue, flowers in September; 3 feet high.

Fischeri. Grows 18 inches high, yielding pale blue flowers.

Napellus. Large flowers, dark blue; August and September; 3 to 4 feet high.

Napellus Albus. A white flowered form of the above; 3 to 4 feet high.

Napellus Bicolor. Dark blue and white flowers; 3 to 4 feet high.

Spark's Variety. The darkest blue of all; 5 to 6 feet high.

Stroekianum. July and August. Rich blue; magnificent flower spikes; 4 feet.

Wilsoni. A variety from Northern China, growing 6 feet high; pale violet blue; large flowers in September.

Price of Aconitums, 25c. each; doz., $2.50; $15.00 per 100.

Actaea (Baneberry)

Native plants with showy white flower spikes about 2 feet high, produced in profusion during June, followed with clusters of berries.

Spicata Alba. White berries, on red stems.

Spicata Rubra. Bright scarlet berries on long spikes.

Price of Actaeas, 25c. each; doz., $2.50; $15.00 per 100.

Actinidia (Arguta) (See page 171)

50c. each; doz., $5.00.

Aegopodium (Bishop's Weed)

Podagraria Variegata. Green and yellow variegated foliage; 1 foot high; an ideal border plant or for covering space in perennial beds. 15c. each; doz., $1.50; $10.00 per 100.

Aetheopappus

Pulcherrimus. The flowers, resembling Giant Cornflowers or Sweet Sultans, are of a dazzling pink. Splendid for cutting; lasting a long while in water. July; 2½ feet high. 25c. each; doz., $2.50; $15.00 per 100.

Adenophora

Potanini. Handsome Campanula-like plant, with pale blue flowers; 2½ feet; July and August; it delights in a warm, sunny location. 15c. each; doz., $1.50; $10.00 per 100.

Agrostemma (Rose Campion)

Coronaria (*Mullein Pink*). Tufts of silvery foliage throwing up many silver-lined stems 2 feet high, with bright single crimson flowers during June.

Flos Jovis (*Flower of Jove*). An erect growing variety, with deep pink flowers on stems 12 inches long; June and July.

Price of Agrostemmas, 15c. each; doz., $1.50; $10.00 per 100.

Akebia (Quinata) (See page 171)

25c. each; doz., $2.50.

Alyssum (Gold Dust or Basket of Gold)

Splendid edging plants. Ideal for rockery; literally covered with flowers when in bloom; 1 foot high.

Rostratum. Bright golden yellow; July and August.

Saxatile Compactum. Deep golden yellow; May and June.

Price of Alyssums, 15c. each; doz., $1.50; $10.00 per 100.

Anchusa (Sea Bugloss)

Italica Dropmore Variety. Plants grow 4 feet high in pyramidal shape; branch freely and are loaded with bright blue Forget-Me-Not-like flowers from June 15th till late in fall; a very showy and valuable perennial.

Myosotidaeflora (*New*). Dwarf variety; 12 to 15 inches high; covered in April and May with masses of bright blue Forget-Me-Not-shaped flowers.

Opal. Similar to the above variety, with large pale blue flowers; from May to July.

Price of Anchusas, 25c. each; doz., $2.50; $15.00 per 100.

Anemone or Windflower

Anemones are one of the favorite flowers of the autumn, blooming usually from September until sharp frosts. They do well in sunlight, as well as in partial shade.

Campanula or Bell Flower (See page 155)

Dianthus or Hardy Pinks (See page 157)

Anemone Japonica (Windflower)

As a last greeting of autumn these gay flowers appear in wondrous brilliancy and produce a wealth of bloom just before nature clothes the earth with a mantle of frost.

Plants vary from 2 to 4 feet high, and the flowers are ideal for cutting; blooms appear usually during August and remain till frost. These thrive best in a sunny location. Plants require winter protection with leaves, straw or long manure, but amply repay one for the extra trouble taken to care for them. Our stock is unusually large and fine.

Alba. Large, pure white; 3 to 4 feet tall.

Alice. While we have some good sorts in white and lavender pink, there never has been a real rose pink until this variety was placed on the market. The shade is brilliant, which looms up in the garden; it may be used for splendid effect as a cut flower; height, 15 inches. 25c. each; doz., $2.50; $15.00 per 100.

Geante Blanche. This is the largest flowering single white; a fine bold flower; really one of the very best. 25c. each; doz., $2.50; $15.00 per 100.

Kriemhilde. Semi-double, very large, lovely rose pink flowers; fine for cutting. 25c. each; doz., $2.50; $15.00 per 100.

Loreley. Semi-double mauve pink flowers, usually 2½ to 3 inches in diameter, one of the finest of recent introductions. 25c. each; doz., $2.50; $15.00 per 100.

Lord Ardilaun. Pure white flowers borne on long stiff stems; a veritable gem for cutting.

Prince Henry. Deep rich pink double flowers, perfect form.

Purpurine. Semi-double, deep rose. 25c. each; doz., $2.50; $15.00 per 100.

Queen Charlotte. Semi-double flowers of a rich pink shade; one of the finest.

Rubra. Rich rosy red, 3 to 4 feet.

Whirlwind. Large semi-double, pure white.

Price of Anemones, except where noted, 15c. each; doz., $1.50; $10.00 per 100.

Anthemis (Marguerite)

Tinctoria. This is one of the most satisfactory summer-flowering perennials; does well in the poorest soil. Grows about 15 inches high, producing large, daisy like golden yellow flowers continuously all summer. 15c. each; doz., $1.50; $10.00 per 100.

Aquilegia (See cut page 152)

For spring flowers these are invaluable, producing their graceful spurred blooms on stems rising 2 feet over their elegant foliage during May and June. For rockery gardens, semi-shaded places, in hardy borders or planted in clumps, they look effective, a variety of them making a beautiful attraction.

Canadensis. Bright red and yellow.

Chrysantha. Bright yellow, long flowers.

Chrysantha Alba. Pure white, long spurred.

Coerulea. Blue and white, long spurred.

Glandulosa Vera. Dwarf, compact; 1 foot high; blue and white flowers; short spurs.

Haylodgensis. Satiny rose, long spurred; a splendid new sort. 25c. each; doz., $2.50; $15.00 per 100.

Nivea Grandiflora Pure white; long spurred.

Rose Queen. A recent variety of a pleasing shade of delicate pink, long spurred flowers.

Californica Hybrida. A grand mixture of long spurred varieties covering all shades and colors in this class of plants.

Erskine Park Hybrids (Mixed Colors). A grand mixture of finest varieties, including every color in Columbines.

Price of Aquilegias (except where noted), 15c. each; doz., $1.50; $10.00 per 100.

Arabis (Rock Cress)

Dwarf bushy plants six inches high; ideal for rockeries and borders. It remains in flower a long while, commencing in April, presenting a perfect carpet of bloom.

Alpina. Single snowy-white flowers. 15c. each; doz., $1.50; $10.00 per 100.

Alpina Fl. Pl. Double white, very showy. 25c. each; doz., $2.50; $18.00 per 100.

Aristolochia (See page 171)

Sipho. 50c. each; doz., $5.00.

Armeria (Sea Pink or Thrift)

Maritima. Attractive dwarf plants, forming evergreen tufts from which numerous rosy pink flowers grow in dense heads on stiff stems 9 inches high, flowering continuously from spring until late in the fall. 15c. each; doz., $1.50; $10.00 per 100.

Artemisia (See cut page 152)

Very useful for the border or for filling in with shrubbery. Excepting the Lactiflora variety, they are not remarkable for their flowers, but their foliage is very ornamental.

Abrotanum (*Old Man*). Dark green foliage, which has a pleasant aromatic odor. 15c. each; doz., $1.50; 100, $10.00.

(See also page 154 for other Artemisia).

Dielytra or Bleeding Heart (See page 159)

Digitalis or Foxglove (See page 159)

Funkia or Day Lily (See page 160)

As an edging along garden paths, the Funkia plays an important part. The foliage of the plant is always attractive.

The Bleeding Heart is one of the first of the outdoor spring flowers. It makes a beautiful show and is especially suited for border planting.

Artemisia (Continued, see also page 153)

Lactiflora. A grand perennial with flower stems 3 to 4 feet long, covered with creamy white flowers. A planting of these mingled with colored perennials makes a grand sight somewhat resembling the Easter Spirea; blooms continuously from August until late September. 20c. each; doz., $2.00; $12.50 per 100.

Pedemontana. Very ornamental variety, with finely cut silvery foliage; 2 feet high.

Stelleriana (*Old Woman*). Silvery foliage; extensively used for carpet bedding; 18 inches.

Price of Artemisias (except where noted), 15c. each; doz., $1.50; $10.00 per 100.

Asclepias (Butterfly Weed)

Incarnata (*Swamp Milkweed*). Very showy border plant; 2½ feet high; rose pink flowers in July and August.

Tuberosa. A showy plant, 2 feet high, with large heads or clusters of orange colored flowers blooming in July and August. The bright color is quite a contrast to white and other flowers planted in the hardy border; fine for cutting.

Price of Asclepias, 15c. each; doz., $1.50; $10.00 per 100.

Hardy Aster (Michaelmas Daisy) (See cut page 152)

Tall-flowering, stately plants, which may be used with splendid effect in borders and as specimens in lawns, in large groups or beds. It forms the basis of a color scheme in a perennial border during the months of September and October and often lasts well into November. The rich shades of blue and purple blend harmoniously with most any surrounding. They thrive equally well in sun or partial shade. For cutting they are invaluable. Our list of varieties at 25c. each, etc., embraces only the best of the latest introductions.

Note.—Frequently, customers not familiar with flowers of hardy Asters expect to get large blooms, as are produced on the plants of annual varieties, the hardy sorts are entirely distinct from these, being smaller in bloom, but produced in greater quantity.

Amellus, Perry's Pink. A pleasing bright pink; one of the best in this color; September. 25c. each; doz., $2.50.

Abendrote (*Evening Glow*). A very choice variety, 2½ feet high, with rosy red flowers. 25c. each; doz., $2.50.

Amethystinus. Beautiful amethyst blue; a very rich shade and showy; October to November. 25c. each; doz., $2.50; $15.00 per 100.

Hardy Asters (Continued)

Beauty of Colwall. A grand double-flowering type of a beautiful lavender shade; height, about 4 feet; September. 25c. each; doz., $2.50; $15.00 per 100.

Beauty of Ronsdorf. Undoubtedly one of the finest hardy Asters; the plants are of a branching habit, covered with large delicate lilac rose flowers from August to October. 25c. each; doz., $2.50; $15.00 per 100.

Feltham Blue. One of the most decorative blue varieties; 2½ feet. 25c. each; doz., $2.50; $15.00 per 100.

Grandiflorus. A splendid variety; quite distinct from all others; the flowers, which are bluish-violet, measure often 2 inches in diameter; October and November. 35c. each; doz., $3.50; $25.00 per 100.

Novae Belgii Fairfield. Very tall, often 5 feet high; the flowers have fine, narrow petals and are pure white; September.

Perry's Favorite. A distinct, bright, clear rose; flowering in July and August. 25c. each; doz., $2.50; $15.00 per 100.

Robert Parker. Fine lavender blue, with yellow centre; very tall; September.

Roseus Superbus. A most beautiful Aster; the plant is of sturdy, branching habit, and forms a round flower head; about 2 feet high, with exquisite rose-colored blooms. 25c. each; doz., $2.50; $15.00 per 100.

St. Egwin. A recent introduction, and one of the finest. Plants are densely branched, covered with beautiful pink flowers; 3 feet; September. 25c. each; doz., $2.50.

Sub-Coeruleus. A dense-growing variety, producing a multitude of flowers in June and July; 2½ to 3 inches in diameter, on stems about 18 inches; a fine cut-flower sort.

White Queen. Tall growing; pure white; very fine; 4 feet high; September-October.

Price of Hardy Asters (except where noted), 15c. each; doz., $1.50; $10.00 per 100.

Astilbe

Vigorous growing plants with beautiful feathered flower heads. They thrive best in a half shaded position.

Arendsii Venus. Charming new variety, with brilliant purplish-pink flower heads; 2½ to 3 feet high; blooms in June and July. 35c. each; doz., $3.50; $22.50 per 100.

Arendsi Juno. Vigorous grower, with plumes of a deep violet color. 35c. each; doz., $3.50; $22.50 per 100.

Grandis. New introduction of great merit; the panicles of white flowers are frequently 2½ feet long; very attractive; fine foliage; blooms July-August. 25c. each; doz., $2.50; $15.00 per 100.

MICHELL'S HARDY PERENNIAL PLANTS

Aubrietia (Wall Cress)

A suitable plant for rock gardens; the broad masses of light green foliage are covered with a sheen of flowers in spring and summer; grows 6 inches high.

Bougainvillei. Very showy, purple flowers.
Graeca. Deep purple flowers.
Leichtlini. Bright reddish crimson.

Price of Aubrietias, 15c. each; doz., $1.50; $10.00 per 100.

Betonica

Rosea Superba. A very showy perennial; growing 18 inches high. The foliage, somewhat resembling Primroses, is very attractive and shapes itself to a cluster, from which appear early in July numerous flower spikes, densely covered with lovely salmon-pink flowers, which remain perfect for weeks. 25c. each; doz., $2.50; $15.00 per 100.

Bignonia (See page 171)

Grandiflora. 50c. each; doz., $5.00.
Radicans. 35c. each; doz., $3.50.

Baptisia (False Indigo)

Australis. A robust growing plant, suitable for the border or wild garden. Foliage is dark green, deeply cut; the flowers are dark blue, borne on spikes, in June and July; 2 feet high. 15c. each; doz., $1.50; $10.00 per 100.

Bocconia (Plume Poppy)

Cordata. A splendid plant, growing sometimes 6 feet high, bearing panicles of creamy-white flowers in July and August; makes a grand effect as a centre in a hardy bed or a border background. 15c. each; doz., $1.50; $10.00 per 100.

Boltonia (False Chamomile)

Tall-growing, showy plants, with flowers resembling hardy Asters; appearing in September; growing 5 to 7 feet.

Asteroides. Pure white; 5 to 6 feet.
Latisquama. Pink, tinted lavender; 6 feet.
Latisquama Nana. Pink, tinted lavender; 2 feet high; very fine variety.

Price of Boltonias, 15c. each; doz., $1.50; $10.00 per 100.

Buddleya (Butterfly Bush)

Variabilis Magnifica. Long graceful stems terminating in large spikes of lilac-colored flowers. The plant is a mass of bloom from June until frost; fine for cutting. This variety is the best of the purple or blue varieties producing much longer flower heads than the Veitchiana type; it is also somewhat lighter in color (see front cover of this book). 25c. each; doz., $2.50; $15.00 per 100.

Calimeris (Starwort)

Incisa. An attractive border plant, growing from 1 to 1½ foot high. The daisy-like flowers are of a delicate lavender shade, with a yellow centre; blooms from July to September. 25c. each; doz., $2.50; $15.00 per 100.

Callirhoe (Poppy Mallow)

Involucrata. Plants of dwarf trailing habit, with large crimson flowers with white centre, much resembling a giant mallow or Hibiscus; blooms all summer until late in fall; the foliage is also attractive. 15c. each; doz., $1.50; $10.00 per 100.

Caltha (Marsh Marigold)

Palustris. Showy hardy plants, especially suited for massing near streams or ponds; 1 foot high; single bright yellow flowers; April-May. 15c. each; doz., $1.50; $10.00 per 100.

Campanula (Bell Flower) (See cut page 153)

Showy perennial plants of special merit; some are tall, suitable for borders; others are dwarf, for rockeries and edging. In every well-ordered hardy garden Campanulas should have a prominent place. They delight in a good rich loam, preferring a semi-shaded position. The taller varieties should be carefully staked, to prevent them from being broken during windstorms. If the flowers of Campanulas are cut as they fade, it greatly prolongs the blooming period

Alliariaefolia. Graceful stems of white flowers, blooming in July; 3 feet high. 15c. each; doz., $1.50; $10.00 per 100.
Calycanthema (*Cup and Saucer*). These are biennials, and last only one season when planted in the autumn; *Pink, White* and *Blue*, each color separate; height, 18 inches; blooming in June and July. 20c. each; doz., $2.00; $12.50 per 100.

(See top of next column for other Campanulas).

Campanula—Continued

Carpatica (*Carpathian Hare Bell*). Very dwarf and shrubby; ideal for border or rockery planting, being about 8 inches high; flowers from June till frost. *Blue* and *White*, each separate. 15c. each; doz., $1.50; $10.00 per 100.
Glomerata (*Cluster Bell Flower*). Densely decked stamens of violet-colored flowers appearing in July and August; height, 20 inches. 15c. each; doz., $1.50; $10.00 per 100.
Grandis. Large, saucer-shaped violet blue flowers; 1½ foot high; May to July.
Media (*Old-fashioned Canterbury Bells*). This is a biennial type, like the Calycanthema, and will last only one season when planted in the autumn. It flowers freely in June, July and August, and grows 3 to 4 feet high. *Blue, Pink* and *White* in separate colors; also in *Mixed* colors. 15c. each; doz., $1.50; $10.00 per 100.
Pyramidalis (*Chimney Bell Flower*). A striking variety, growing into a pyramidal-shaped plant; the stalk, 4 to 6 feet high, is completely covered with flowers in June and July. *Blue* and *White*, each separate, 25c. each; doz., $2.50; $15.00 per 100.
Persicifolia (*Peach Bell*). This is the extremely hardy sort, which makes a splendid show in June, July and August. The stately spikes are tall, often 3 feet high, and present a grand appearance. The flowers are upright and rather bell shaped, with irregular edge.
Alba. Pure white. 15c. each; doz., $1.50.
Coerulea. Light blue. 15c. each; doz., $1.50.
Moerheimi. Pure white; semi-double. 25c. each; doz., $2.50; $15.00 per 100.
Humosa. Light blue, semi-double. 25c. each; doz., $2.50; $15.00 per 100.
Trachelium (*Coventry Bells*). Purple flowers June and July; 3 feet high. 15c. each; doz., $1.50; $10.00 per 100.

Carnations (Hardy Border) (New)

This class embraces a marvellous range of color, from pure white through all shades of pink, from light to darkest yellow, also light and dark red.

Price for mixed colors, 25c. each; doz., $2.50; $17.50 per 100. See Page 148 for a more complete description.

Cassia (American Senna)

Marilandica. A desirable perennial yielding enormous sprays of oddly formed flowers, bright yellow; the foliage is also showy; 3 to 4 feet; July and August. 15c. each; doz., $1.50; $10.00 per 100.

Caryopteris

Mastacanthus (*Blue Spirea*). A hardy perennial of the easiest culture, flowering in September and October. The flowers are light blue, and are borne in globe-shaped heads, 2 feet high. 15c. each; doz., $1.50; $10.00 per 100.

Catananche (Cupid's Dart)

The flowers, which are splendid for cutting, resemble somewhat the Cornflower, blooming during July and August.

Bicolor. Blue and white; 2 feet high.
Coerulea. Bright blue; 2 feet. The above, 15c. each; doz., $1.50; $10.00 per 100.

Cedronella (Balm of Gilead)

Cana. Long spikes of purple, salvia-like flowers, with highly scented foliage; 2½ feet high; July to September. 15c each; doz., $1.50; $10.00 per 100.

Centaurea (Perennial Cornflower)

Fine border plants, producing flowers suitable for cutting; these are quite large, and a bunch makes an attractive display; 2 feet high; flowering from July to September.

Dealbata. Bright rose; 18 inches high.
Macrocephala. Golden yellow.
Montana. Rich violet blue.
Montana Alba. Pure white.

The above 15c. each; doz., $1.50; $10.00 per 100.

Celastris (Scandens) (See page 171)

Cephalaria (Roundheads)

Alpina. A rare, tall growing plant, 6 feet high, bearing in July and August, delicate sulphur yellow flowers. 25c. each; doz., $2.50; $15.00 per 100.

Chamaepeuce (Blessed Thistle)

Diacantha. Thistle-like, crimson flowers; 2½ feet high; August and September. 15c. each; doz., $1.50; $10.00 per 100.

MICHELL'S HARDY CHRYSANTHEMUM PLANTS

"THE QUEEN OF AUTUMN FLOWERS"

No class of flowering perennials add such a wealth of color and bloom in autumn to the garden as these. The plants are literally covered with flowers from the middle of September till the snow buries them. The fine varied shades of pink, red, orange and yellow are especially showy. They ought to be planted liberally, as they increase in size and beauty each year. Our collection is made up from the best sorts, all undesirable ones (after testing) having been discarded. The letter preceding the name indicates the type of flowers, as explained as follows:

S. Small or Pompon type. M. Medium size flowers. Sg. Single flowering. A. Anemone flowering.

YELLOW VARIETIES

S. **Agalia.** Orange, shaded pink.
M. **Ashbury.** Sulphur yellow.
S. **Baby.** Golden yellow.
M. **Barney.** Golden bronze.
S. **Eldorado.** Deep yellow.
M. **Excelsior.** Light orange.
M. **Globe d'Or.** Clear yellow.
M. **Miss Julia.** Orange yellow.
M. **Overbrook.** Chrome yellow.
M. **Susquehanna.** Splendid yellow.
M. **Windlass.** Rich orange.

BRONZE VARIETIES

Sg. **Aaron.** Bronzy scarlet.
S. **Henrietta.** Bronze, yellow.
S. **Jeannetta.** Silvery bronze
M. **Le Czar.** Bronze, tipped red.
M. **Sylvia.** Scarlet bronze.

WHITE VARIETIES

S. **Anna Mary.** White shaded pink.
A. **Furnessia.** Silvery white.
M. **Germania.** Straw white.
M. **Gladys.** Flushed pearl.
M. **Irene.** Blush white.
S. **Jas. Boone.** Pure white.
M. **Lady Naylor.** Pure white.
A. **Myers Perfection.** Pure white.
M. **Queen of Whites.** Cream white.
M. **St. Elmo.** Pure white.

PINK VARIETIES

S. **Cerise Queen.** Fine for cutting.
S. **Dawn.** Delicate pink.
M. **Findon.** Rich violet rose.
M. **Hero.** Clear pink.
S. **Nellie Rainsford.** Light pink.
M. **Pink Beauty.** Rose pink.
M. **Queen of Bulgaria.** Deep rose.
Sg. **Rosy Morn.** Silvery pink.
M. **St. Illoria.** Silvery rose.

RED AND SCARLET VARIETIES

Sg. **Fred Peele.** Lilac red.
Sg. **Lyndhurst.** Scarlet bronze.
M. **Mrs. Porter.** Bright bronze.
M. **President.** Deep crimson.
M. **Dundee.** Very dark.
M. **Julia Lagravere.** Maroon.
M. **Scarlet Beauty.** Rich scarlet.
S. **Viola.** Rich violet red.

Price of any of the above Hardy Chrysanthemums, strong young plants which will bloom the first season, 15c. each; doz., $1.00; $6.50 per 100.

After June 15th, we will undertake to furnish Hardy Chrysanthemums in 6 in. pots; extra strong plants. 35c. each; doz., $3.50; $27.00 per 100.

Hardy Chrysanthemum—Cerise Queen

English Chrysanthemum Normandie

DOUBLE FLOWERING ENGLISH VARIETIES

They are chiefly conspicuous by the fact that they commence to bloom as early as August and continue in flower until cut down by severe frost. The blooms of most kinds measure as much as 3½ to 4 inches across, and if disbudded, form handsome specimen blooms on long stems, admirably adapted for decorative purposes.

(See page 150 for further description.)

Wells Crimson. Bright red, tipped bronze and gold.
Queen of the Earlies. Purest white, very large flower.
October Gold. Bronzy yellow, extremely free.
Border Beauty. Beautiful orange, red tipped gold.
Countess. Pure white, very large flowers.
Ethel Blades. Chestnut red, quite distinct.
Crimson Marie Masse. Bright crimson, vigorous grower.
Golden Queen of the Earlies. Rich yellow, large flowers.
Champagne. Rich ruby red, very free bloomer.
Goachers Crimson. Rich crimson, long stemmed flowers.
Le Pactole. Bronzy yellow, fine cut flower.
Mad. Marie Masse. Lovely lilac mauve, early.
La Parisienne. Pure white, very large bloom.
L'Argenteuillais. Glowing chestnut red, one of the best.
Provence. Beautiful rose, with golden centre.
Mrs. A. Beech. A distinct shade of bronze.
Mabel Roberts. Beautiful deep pink.
Normandie. Delicate pink. one of the earliest.
Orange. Terra-cotta shade, long stemmed.

Price of English Chrysanthemums, strong young plants that will bloom the first season, 20c. each; doz., $2.00; $15.00 per 100. One each of the above 19 varieties for $3.00.

After June 15th, we will undertake to furnish the above in 6 in. pots; extra strong plants. 50c. each; doz., $5.00; $37.50 per 100.

(ha)

MICHELL'S HARDY PERENNIAL PLANTS

Gaillardia (See page 160)

The Gaillardia is one of the freest blooming of the perennials and is suited for a variety of purposes. It is a fine cut flower and lasts a long while in water.

Helenium (See page 160)

Hemerocallis (See page 162)

Chelone (Shell Flower)

Handsome border plants, growing about 2 feet high, and bearing numerous spikes of large flower heads during summer and autumn.

Glabra Alba. Large spikes of cream white flowers.

Lyoni. Handsome perennial, which grows in any soil; lovely soft pink flowers.

Price of Chelones, 25c. each; doz., $2.50; $15.00 per 100.

Clematis (Shrubby Varieties)

This type of Clematis deserve a place in every garden. They form erect bushes, 2½ to 3 feet high, and the flowers, which last a long time, are very attractive.

Davidiana. A beautiful variety, with bell-shaped deep blue flowers, which are deliciously fragrant. 3 feet. August and September. 15c. each; doz., $1.50; $10.00 per 100.

Recta. Very effective plant, with large, showy clusters of pure white flowers. 2½ feet. June and July. 25c. each; doz., $2.50; $15.00 per 100.

Clematis (Climbing Sorts) (See page 170)

Chrysanthemum

Arcticum (*Arctic Daisy*). This hardy perennial is a native of Alaska. It is very attractive, having pretty dark green foliage, and in September multitudes of pure white flowers, 2 to 2½ inches across, make their appearance and continue in bloom through October and November. 25c. each; $2.50 doz.; per 100, $15.00.

Maximum Vemorense. This variety has done exceptionally well with us in our Nurseries. The flowers are single, borne on stems 18 inches long and often measuring 3 inches in diameter; pure white. We can best describe it as a glorified Shasta Daisy. July to September. 25c. each; $2.50 doz.; per 100, $15.00.

Leucanthemum Alaska (*Shasta Daisy*). Pure white; yellow. 25c. each; doz., $2.50; $15.00 per 100.

For other Hardy Chrysanthemums, see pages 150-156.

Cinnamon Vine (See page 171)

Strong Roots, 5c. each; doz., 50c.; $3.00 per 100.

Coreopsis

Lanceolata Grandiflora. Flowers rich golden yellow of graceful form and fine for cutting. A few plants make a handsome display either planted individually or in clumps; the flowers are produced by the thousand on a single plant, and where quantity and quality are wanted Coreopsis should be planted. Flowers June till October; height, about 3 feet. 15c. each; doz., $1.50; $10.00 per 100.

Cimicifuga (Snake Root)

Racemosa. Tall growing plant; 4 to 6 feet high; well suited for borders or for naturalizing at the edge of woods; flowers pure white; July and August. 25c. each; doz., $2.50; $15.00 per 100.

Cerastium (Mouse Ear)

Tomentosum. A low, creeping evergreen, with silvery foliage and white flowers. Good for rockeries, much used for covering graves; does well in the sun. 15c. each; doz., $1.50; $10.00 per 100.

Daisy (Bellis Perennis)

The English Daisy is one of the first of the spring flowers, blooms at the first spell of warmth. Planted in Roseborders or bulb beds between hyacinths and tulips they produce a show in a place that would otherwise have a dead appearance. A combination of these with Myosotis and Pansies produce a rare treat in early spring flowers. They make a similar effect planted among late Tulips, covering the bare ground between the bulbs very effectively. We grow the Giant flowering strain and offer vigorous plants in *Monstrosa* type.

White, Pink, Red, each separate. 10c. each; doz., $1.00; $7.00 per 100.

Delphinium (Hardy Larkspur) (See page 158)

Dianthus (Garden Pinks) (See cut page 153)

These occupy an unique place in every perennial collection. The brilliantly colored flowers, which appear in great numbers on the plant, have a rich clove scent. For table bowls, as a cut flower, they are much in use. For edging hardy borders, garden walks, or planted in rock gardens, they fill an important place. The plants increase yearly in size and beauty. They are at their height of bloom in June.

Deltioides (*Maiden Pink*). A continuous flowering variety with pink blooms. Especially suited for rock work.

Latifolius Atrococcineus Fl. Pl. (*Everblooming Hybrid Sweet William*). A splendid variety with brilliant crimson double flowers, blooming continuously during the entire season. Especially adapted for bedding.

Plumarius Fl. Pl. (*Double Grass Pink*). Highly fragrant. All colors mixed.

Any of the above Dianthus, 15c. each; doz., $1.50; $10.00 per 100.

Dianthus (Barbatus)

Sweet William, in mixed and separate colors, see page 169.

MICHELL'S GORGEOUS HARDY DELPHINIUMS

Delphinium "King of Delphiniums"

Nassau. The flower heads appear all season uninterruptedly, the individual blooms are often 2 inches across; the shade is a clear heavenly blue. The plant grows 4½ to 5 feet high and is very stately. 35c. each; doz., $3.50; $25.00 per 100.

Queen Wilhelmina. A recent introduction. The gigantic flower spikes are laden with light lavender-blue flowers, shaded rose. A distinct white eye in each floret sets it off wonderfully. 35c. each; doz., $3.50; $25.00 per 100.

Theodora. The flower is a real azure blue; the individual blossoms are loosely arranged on tall erect spikes; a very fine variety. 25c. each; doz., $2.50; $17.50 per 100.

Zuster Lugten. Very double, deep blue, broad expansive flowers. This fine variety is a strong grower and responds wonderfully well without any extra treatment or care. 35c. each; doz., $3.50; $25.00 per 100.

Gold Medal Hybrids, Mixed. No finer strain has ever been produced; the plants we offer are a re-selection from a choice collection. 15c. each; doz., $1.50; $10.00 per 100.

Every one, who has a hardy garden or an unoccupied space in the flower border, should plant some Delphiniums. On account of the important part Hardy Larkspurs play in perennial plantings, it occurred to us that a brief treatise on their culture, which follows, might be of assistance to our customers. The plants can be set out in the spring when the ground has opened permanently. Pot-grown specimens can be successfully planted from then on up until the first of November. In view of the wonderful display that Larkspurs make, it is worth while to exercise care in locating a most suitable position and in the preparation of the ground. Latter should have a good natural drainage. Never use animal manure in planting Delphinium, unless it has been incorporated in the soil a year before planting. Pure bonemeal is the best fertilizer in promoting growth. Apply with it also some wood ashes; the latter will assist in holding in check earth grubs, which at times attack the roots and crowns of the plant. In order to keep Larkspurs in bloom continuously during the summer, cut the old flower stems off, after they have faded, and new shoots will produce flower heads successfully. To get the best out of hardy Larkspur in the way of flowers, feed them occasionally during the growing season with an application of ground bone. While it is not necessary, a slight covering of long straw or leaves over the crowns of the plants during winter will prove a great benefit. Our stock of Delphiniums is very large and embraces the very best varieties.

Amos Perry. Semi-double, rich mauve, suffused light blue, with a dark eye. 30c. each; doz., $3.00; $20.00 per 100.

Bella Donna. The freest and most continuous blooming of all. The clear turquoise-blue flowers are not surpassed by any. 25c. each; doz., $2.50; $15.00 per 100.

Belladonna Semi-Plena. The finest of all light blue Larkspurs. The majestic spikes are covered with flowers of gigantic size, the latter appearing in several rows on the stem. Planted amongst the dark blue kinds it makes a charming effect. 60c. each; doz., $6.00.

Capri. The origin of this variety is from the same source as the wonderful sort Moerheimi, to which it is an elegant companion. The immense sky blue flowers are a rich attraction to any garden. Extra strong plants, 40c. each; doz., $4.00; $30.00 per 100.

Chinense Album. Same as below in white. 15c. each; doz., $1.50; $10.00 per 100.

Chinense Azureum. Plants grow but 2 feet tall, branch freely, each branch terminating with a loose spray of single flowers; color, a deep clear blue. 15c. each; doz., $1.50; $10.00 per 100.

Formosum. Dark blue, white centre, spikes 3 to 4 feet tall, vigorous; free blooming. 15c. each; doz., $1.50; $10.00 per 100.

Formosum Coelestinum. Most beautiful heavenly blue, immense flowers. 15c. each; doz., $1.50; $10.00 per 100.

Hugo Poortman. Very large open flowers of a distinct pale blue shade. The flower spikes are very long and are produced in great profusion. 25c. each; doz., $2.50; 100, $17.50.

J. S. Brunton. A splendid loosely branched variety with immense clear blue flowers on spikes which are 3 feet long. This variety blooms more freely than any other, being in flower the entire summer. Extra strong plants, 35c. each; doz., $3.50; $25.00 per 100.

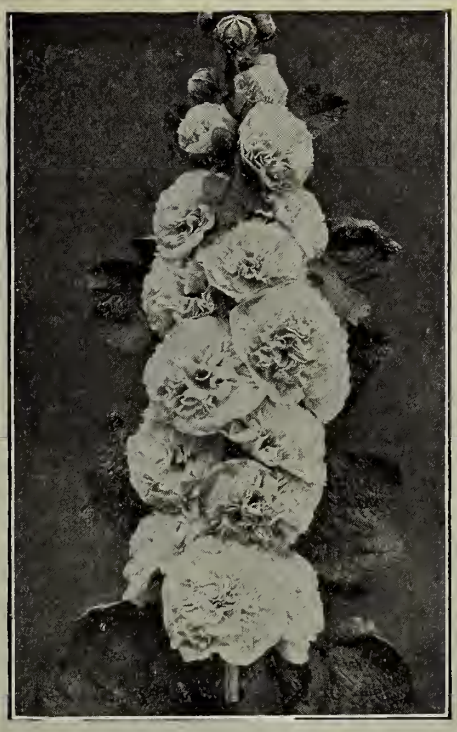
King of Delphiniums. Remarkably strong, vigorous plants with flowers of gigantic size, semi-double, deep blue, white eye. 40c. each; doz., $4.00; $30.00 per 100.

La Martine. One of the older types of great beauty. The single, dark blue flowers are densely arranged on tall erect stems. It is one of the most decorative of the hardy Larkspur. 25c. each; doz., $2.50; $17.50 per 100.

Moerheimi. The first and only real pure white hardy Larkspur. It grows 3 to 4 feet high, and flowers continuously from June until autumn, and produces more spikes on a single plant than any other variety. The flowers are of the purest white. One can hardly imagine a prettier effect than large clumps of this white Delphinium intermixed with the rich shades of blue of the other sorts. Stock limited. 40c. each; doz., $4.00; $30.00 per 100.

Mrs. Thompson. Deep blue flowers, each with a large, white eye. It blooms with wonderful freedom and produces spikes of medium length, with dense flower heads. 25c. each; doz., $2.50; $17.50 per 100.

Lupinus Polyphyllus (See page 163)



Hollyhocks (See page 162)

Tritoma (See page 169)

Dictamnus (Gas Plant)

One of the hardiest of all perennials, which often will last for a generation and longer. The foliage is fragrant, while the spikes of rather oddly shaped flowers emit a luminous vapor, which is said to be inflammable. Height about 2 feet, flowering in June and July.

Fraxinella. Rose pink flowers; dark veins.

Fraxinella Alba. Pure White.

Caucasicus. A gigantic form, with rose pink flowers of very large size. 25c. each; doz., $2.50; $15.00 per 100.

Any of the Dictamnus (except as noted), 15c. each; doz., $1.50; $10.00 per doz.

Dielytra (Bleeding Heart) (See cut page 154)

Spectabilis. One of the most beautiful border and shrubbery plants, with graceful, fern-like foliage and attractive heart-shaped pink and white flowers appearing in April. Extra large roots, 20c. each; doz., $2.00; $15.00 per 100.

Digitalis (Foxglove) (See cut page 154)

These showy plants are but biennials (that is, live outdoors for two seasons), but can be made perennial by the following treatment: Immediately after blooming remove the flower stalk right down to the ground, also crop some of the large leaves; the result is a number of new plants start from the old crown, which produce splendid flowers the second year. Digitalis will do well in semi-shaded spots; plants grow from 4 to 6 feet high; flower in June. Especially attractive when planted in rows as a background for a perennial border.

Gloxiniaeflora White.
" **Pink.**
" **Blue or Purple.**
" **Lilac.**
" **Mixed.** All colors.
Grandiflora Yellow.

Any Digitalis, 15c. each; doz., $1.50; 100, $10.00.

Monstrosa. Giant flowering type. All colors mixed.

Any of the above, 15c. each; doz., $1.50; $10.00 per 100.

Doronicum (Leopard's Bane)

This flowers very early in the spring; plants growing about 2 feet high. Is most effective when planted in masses. The plants can be taken up in the fall if desired (although they are perfectly hardy) and be made to bloom indoors. It is a fine cut flower, closing towards the end of the day and opening up each morning. Flowers June and July.

Clusii. Dwarf; large, soft yellow flowers; 2½ to 3 in. across.

(See top of next column for other Doronicums).

Doronicum (Continued)

Columnae. Flowers bright yellow in early spring; a splendid variety.

Caucasicum. Exceptionally free bloomer; rich yellow; a vigorous grower.

Plantagineum Excelsum. Spring flowering, robust growing variety with deep yellow flowers, appearing at intervals during the entire summer.

Price of Doronicums, 25c. each; doz., $2.50; $15.00 per 100.

Echinops (Globe Thistle)

Handsome plants for the border or wild garden, all bearing thistle-like heads of bloom during summer; any ordinary garden soil will suit them.

Ritro. A noble effective variety for shrubberies and borders, producing handsome, blue, globular flowers; valuable for cutting. 3½ feet.

Ruthenicus. Interesting and showy, solid round heads of lovely blue flowers, on branching stems. 3 feet.

Sphaerocephalus. Large, white flowers, fine for a background; plants growing 5 to 6 feet tall.

Price of any of the above Echinops, 25c. each; doz., $2.50; $10.00 per 100.

Edelweiss (Gnaphalium)

Leontopodium Alpinum. This is a favorite Alpine plant of the Swiss Mountains, and is found growing in abundance everywhere on the Alps. The plant is dwarf, about 4 inches high, with gray foliage, which lies close to the ground, is surmounted with stalks of grayish white, fuzzy flowers of a trilobed appearance. The flowers may be cut as an everlasting, and they will keep indefinitely. This is a splendid plant for a rock garden. 25c. each; doz., $2.50; $15.00 per 100.

Erigeron (Flea Bane)

Grandiflorus Elatior. Large, bluish lilac flowers, with bright yellow disc; 18 inches high; June and July.

Glabellus. Handsome light blue flowers on stems about 15 to 18 inches long; June to August.

Intermedium. A large sort, with daisy-like light pink flowers; blooms all summer; 2 feet high.

Speciosus. Daisy-like lilac purple flowers, with orange center. July and August. 2 feet.

Price of Erigerons, 25c. each; doz., $2.50; $15.00 per 100.

Erinus

Alpinus Carmineus. A charming Alpine plant of easy culture, rapidly establishing itself in the crevices of rocks or walls; in early summer they produce numerous dainty sprays of rose-colored flowers. 25c. each; doz., $2.50.

Euphorbia (Milkwort)

Polychroma. The plant grows about 2 feet high, bearing masses of chrome-yellow flowers in the form of bracts; April-May; 2 feet. 25c. each; doz., $2.50.

Eryngium (Sea Holly)

An ornamental plant, 2 to 3 feet high. Especially valuable for shaded locations or wild garden effects. The flower may be cut and dried for winter bouquets or house decoration; blooms July to September.

Planum. Light blue.

Amethystinum. The finely-cut foliage and the thistle-like flowers are of amethyst blue color; highly ornamental.

Maritinum. Deeply cut pale blue foliage and flowers.

Price of the above 25c. each; doz., $2.50; $15.00 per 100.

Eupatorium

This is an effective plant, which produces fuzzy flower heads, much resembling Ageratum. Appearing from August till frost. It is fine for cutting.

Ageratoides (*White Snakeroot*). Pure white; 3 to 5 feet; flowering in August and September; a fine native plant.

Coelestinum. Light blue, flowering in August; 18 to 24 inches.

Fraseri. White; very popular; 2 feet.

Any of the above 15c. each; doz., $1.50; $10.00 per 100.

Ferns (Hardy) (See page 161)

Funkia (Plantain or Day Lily) (See cut, page 154)

These attractive plants, even when not in bloom, make fine effects. Nothing is more handsome than a garden border or a hardy bed edged with the dwarf green and variegated foliage of the Media Picta variety. In July and August the plants throw up a mass of flower spikes. If you have a shaded spot which you want to make real attractive, plant some Funkias. The height varies from 6 to 10 inches, according to the variety.

Coerulea. Dark green foliage, with light blue flowers.

Subcordata Grandiflora. This is a large loose-growing variety, with large, white fragrant flowers and broad foliage.

Undulata Media Picta. Green foliage, with distinct white markings. Lavender blue flowers. This is the best of the edging varieties.

Any of above Funkias, 15c. each; doz., $1.50; $10.00 per 100.

Gaillardia (Blanket Flower) (See cut, page 157)

One of the most useful of the hardy flowers. When planted in clumps, beautiful blooms are borne in profusion and make a striking effect. They last a long while as a cut flower, and are abundant from June until frost. Height, about 2 feet.

Grandiflora. Dark brown centre, petals on the outer edge are yellow, and the centre is surrounded with a rich orange disc. 15c. each; doz., $1.50; $10.00 per 100.

Galega (Goat's Rue)

The flowers, which resemble a pea blossom, are borne on long racemes in great abundance. It blooms from July until September, with an average height of about 2 feet.

Hartlandii. The best of the Galega. Large, handsome blue and white flowers, with variegated foliage.

Officinalis. A fine lilac shade; 3 feet.

Officinalis Alba. White flowers; very showy; 3 feet.

Price of any of the Galegas, 15c. each; doz., $1.50; $10.00 per 100.

Gentiana (Gentian)

These are amongst the most desirable of Alpine plants and one of the prettiest shades of blue to be found in the garden.

Andrewsii (*Closed Gentian*). Large terminal and axillary clusters of blue flowers, about 2 feet high; July-August. 25c. each; doz., $2.50; $15.00 per 100.

Geranium (Crane's Bill)

Good summer flowering plants suitable for rockeries. Perfectly hardy, thriving in almost any soil.

Grandiflora. Large, violet blue; 1 foot high.

Sanguineum. Bright crimson; 18 inches.

Either of the above, 15c. each; doz., $1.50; $10.00 per 100.

Gerbera (Transvaal Daisy) (See cut, page 148)

Jamesoni Hybrida. Strictly speaking, this might be called a tender perennial, as it requires wintering over in a cold frame. The daisy like flowers, which cover the various colors of red, orange, yellow and pink, appear freely on low growing plants, the stems being about 18 inches long. Strong plants; mixed colors. 35c. each; doz., $3.50.

Geum (Avens)

Bright, showy flowers, which appear in great abundance in the early summer and fall, plants growing about 18 inches high. Attractive in border plantings.

Coccineum. Brilliant rich scarlet. 15c. each; doz., $1.50; $10.00 per 100.

Mrs. Bradshaw (New). Double, bright scarlet; 18 inches. 25c. each; doz., $2.50; $15.00 per 100.

Gillenia (Bowman's Root)

Trifoliata. A spiraea-like plant, with thin flower stems, graceful foliage and rosy white blooms; 2 feet high; July and August. 25c. each; doz., $2.50; $15.00 per 100.

Glechoma (Ground Ivy)

Variegata. Very useful variegated creeper for growing over banks or for rockeries. 10c. each; doz., $1.00; $7.50 per 100.

Grasses (Ornamental) (See page 161)

Gypsophila (Baby's Breath)

During August and September the plant is a mass of delicate feathery blooms. These may be used as fresh cut flowers, also for a semi-everlasting effect. They keep perfectly for months without water. It is conceded to be the most graceful of our perennial plants.

Cerastioides. White flowers, shaded pink; 3 inches high; ideal for borders or rockery.

Paniculata. Loose, feathery sprays of white flowers; making a mist-like effect; fine for bouquets.

Paniculata flore pleno. This handsome variety produces pretty double pure white flowers. Splendid for bouquets. 25c. each; doz., $2.50; $15.00 per 100.

Price of any of the Gypsophilas (except as noted), 15c. each; doz., $1.50; $10.00 per 100.

Helenium (Sneezewort) (See cut, page 157)

These desirable perennials succeed in almost any soil in a sunny location. The flowers are splendid for cutting.

Autumnale Rubrum. Bright terra-cotta red; 5 feet. 25c. each; doz., $2.50; $15.00 per 100.

Autumnale Superbum. Massive spreading heads of deep golden yellow flowers; flower in late summer and autumn; 5 feet high.

Cupreum. Orange crimson; 2 feet.

Grandicephalum Striatum. Deep yellow flowers striped and splashed crimson; July and August; 5 feet high.

Hoopesi. Orange yellow, large flowers, often 2½ inches across; flowers in June and July; 2 feet.

Pumilum Magnificum. Golden yellow, with large and perfectly formed flowers; very free; July and August; 18 in.

Riverton Beauty. Rich lemon-yellow with dark purple cone; 4 feet; August. 25c. each; doz., $2.50; $15.00 per 100.

Price of Heleniums (except where noted), 15c. each; doz., $1.50; $10.00 per 100.

Helianthus (Hardy Sunflower)

The perennial Sunflower is very effective either in borders, among shrubbery, or as clumps on the lawn, etc. They produce masses of flowers during summer until frost, which are splendid for cutting and decorative purposes.

Multiflorus flore pleno. Large, double, golden yellow flowers, resembling a Dahlia; 4 feet high; July and August.

Orgyalis (*Willow-leaved Sunflower*). Golden yellow, small flowered; very handsome long narrow drooping foliage; 5 to 6 feet; September.

Rigidus, Miss Mellish. Semi-double flowers, 4 to 5 inches across; very long petals of golden yellow; good for cutting.

Rigidus (*The Prairie Sunflower*). Flowers golden yellow, smaller than Miss Mellish, but a very useful variety; July till autumn; 5 feet.

Wooley Dod. An entirely distinct variety, golden yellow, semi-double; especially suited for planting on a large scale in shrubberies and borders; 4 feet; September.

Price of any of the above Helianthus, 15c. each; doz., $1.50; $10.00 per 100.

A charming effect. Hardy Ornamental Grasses and Hardy Ferns planted in groups.

HARDY FERNS

Many persons are perplexed to know what is best suited for planting in densely shaded borders, particularly around porches. Nothing in the world produces such a permanent and satisfactory effect as Ferns. The graceful plants grow on an average from 1 to 2 feet high, according to the variety, and the clumps increase in size and beauty each year. They die down in the winter and break forth again in May. They require absolutely no attention after they are planted. In the variety at command very interesting plantings and effects can be made.

Adiantum Pedatum (*Hardy Maiden Hair Fern*). 12 inches.
Aspidium Acrostichoides (*Wood Fern*). Height 15 inches.
Asplenium Craigii Laciniatum. 15 to 18 inches high.
Aspidium Cristatum (*Crested Fern*). 15 to 18 inches.
Asplenium Felix-foemina. Height, 12 to 15 inches.
Aspidium Thelypteris. 15 to 18 inches.
Dicksonia Punctilobula (*Gossamer Fern*). Height, 24 inches.
Lastrea Dilitata. Height, 24 inches.
Onoclea Sensibilis (*Sensitive Fern*). 12 to 15 inches.
Onoclea Struthiopteris (*Ostrich Fern*). 24 to 30 inches.
Osmunda Polystriatum. 15 to 18 inches high.
Osmunda Polystriatum Setosum. 24 to 30 inches high.
Osmundi Cinnamonae (*Cinnamon Fern*). 24 to 36 inches.
Osmundi Claytonia (*Flowering Fern*). Height, 24 inches.
Osmundi Gracilis. 24 to 30 inches.
Osmundi Regalis (*Royal Fern*). Height, 24 inches.

All ferns strong plants, 20c. each; doz., $2.00; $15.00 per 100.

ORNAMENTAL HARDY GRASSES

The generous beautiful effect produced by the hardy Grasses is hard to describe. Plantings must be seen to be appreciated. The best results are attained if planted as individual specimens on the lawn or in large beds. They should not be placed in conjunction with other perennials, being a class by themselves.

Arundo Donax (*Giant Reed*). Tall variety with bluish-green foliage, frequently attaining a height of 20 feet.
Arundo Donax Fol. Variegatis. This variety of Giant Reed has variegated foliage. 35c. each; doz., $3.50.
Erianthus Ravennae (*Plume Grass or Hardy Pampas*). Deep green narrow foliage, growing about 10 feet high.
Eulalia Gracillima Univittata (*Japan Rush*). Graceful narrow foliage, growing 5 to 6 feet. Green, with silvery rib.
Eulalia Japonica Variegata. An attractive kind with a variation of markings of white, green, sometimes light pink and yellow; 4 to 5 feet high.
Eulalia Japonica. Like the variegated variety, except that it is entirely green.
Eulalia Japonica Zebrina. Dark green foliage, is crossmarked horizontally a golden yellow. It is one of the best of hardy Grasses for effect. 4 to 5 feet high.
Gynerium Argenteum (*Pampas Grass*). This variety in severe climates requires light protection in winter. The silvery flower plumes are indeed handsome. It varies in height from 7 to 10 feet.
Phalaris Arundinacea Variegata (*Variegated Ribbon Grass or Gardener's Garter*). This sort is especially suited for edging taller varieties, as it grows somewhat dwarf. The foliage is somewhat broad, variegated white and green. 15c. each; $1.50 per dozen; per 100, $10.00.
Pennisetum Japonicum (*Hardy Fountain Grass*). One of the most valuable hardy Grasses, either for beds, mixed borders or as individual specimens. Height 4 feet.
Elymus Glaucus (*Blue Lime Grass*). A graceful growing type with narrow silvery blue foliage, a dwarf compact grower; suitable for edging tall kinds. Height, 3 feet.

Strong plants of the above hardy Grasses, except where noted, 25c. each; dozen, $2.50; $15.00 per 100.
Stronger clumps for immediate effects, 50c. each; dozen, $5.00; $30.00 per 100.

Heliopsis (Orange Sunflower)

Pitcheriana. Very similar to a small sunflower, but blooming earlier; deep golden yellow; all summer. June till frost; 3 feet high. 15c. each; doz., $1.50; $10.00 per 100.
Scabra Zinniaeflora. A new double flowering form of the Orange Sunflower, somewhat resembling a Zinnia in shape. Fine for cutting; July and August; 2 feet. 25c. each; doz., $2.50; $15.00 per 100.

Helleborus (Christmas Rose)

These are some of the most valuable of hardy plants, as they flower when practically nothing is in bloom outdoors, actually thrusting their beautiful blossoms through the snow. They succeed almost everywhere, but prefer a sheltered, shaded location. Height of the plants is about 8 to 10 inches. Flowers are large, often 3 inches in diameter.
Niger. Pure white. The best of all Helleborus varieties. 35c. each; doz., $3.50.

Hemerocallis (Yellow Day Lily) (See cut, page 157)

Lily-like plants, which flower in greatest profusion during the summer.
Aurantiaca Major. Large, orange flowers. One of the best sorts; June and July; 2 feet high; should be protected during the winter. 25c. each; doz., $2.50; $15.00 per 100.
Dr. Regal. One of the finest of the late flowering sorts, producing beautiful rich apricot-colored flowers; 2½ feet. 25c. each; doz., $2.50; $15.00 per 100.
Dumortieri. Very dwarf, flowering in June; earlier than most other sorts of the better class. Rich yellow flowers, bronze shaded on the back of petals. 20c. each; doz., $2.00; $12.50 per 100.
Flava. Light yellow flowers, very fragrant; June and July; 3 feet. 15c. each; doz., $1.50; $10.00 per 100.
Fulva. Trumpet-shaped flowers, orange colored shaded darker; blooms in June and July; 4 to 5 feet. 15c. each; doz., $1.50; $10.00 per 100.
Kwanso Flore Pleno (Double). Coppery red; July; 3 feet high. 15c. each; doz., $1.50; $10.00 per 100.
Sovereign. Chrome yellow flowers, sometimes 6 to 9 on a stem; very handsome; 2½ feet high. 35c. each; doz., $3.50; $25.00 per 100.

Hesperis (Rocket)

Matronalis. Bushy plants; 3 to 4 feet high, with showy spikes of pink flowers during June and July. 15c. each; doz., $1.50; $10.00 per 100.

Hepatica (Liver Leaf)

Triloba. An interesting spring flowering plant, with pretty foliage and flowers of a lovely shade of blue. 15c. each; doz., $1.50; $10.00 per 100.

Heuchera (Alum Root)

Desirable dwarf plant of easy culture. Foliage remains close to the ground. During July and August the graceful thin flower spikes, 2 feet high, appear in profusion.
Flambeau. Light rose-colored flowers, tinged violet.
Pink Beauty. A beautiful shade of pink.
Rosea. Light rose; 2 feet.
Sanguinea. Bright scarlet.
Sanguinea Alba. Creamy white; 2 feet.
Price of any of the above, 20c. each; doz., $2.00; $12.50 per 100.

Hibiscus (Mallow)

These are a mass of bloom during the entire summer, when they produce large flowers in gorgeous colors.
Crimson Eye. Immense blooms of purest white with deep crimson eye; flowering in July; 4 feet. 15c. each; doz., $1.50; $10.00 per 100.
Meehani (*Meehan's Marvel Mallow*). A fast growing plant, attaining a height of 5 feet and flowering continuously from July until frost; all colors mixed. Large plants, 25c. each; doz., $2.50; $15.00 per 100.
Moscheutos Roseus (*Marsh Mallow*). Large bell-shaped flowers of delicate pink. 15c. each; doz., $1.50; $10.00 per 100.

Hieracium (Hawkweed)

Aurantiacum. Splendid for rockeries; deep orange; 12 to 18 inches. 15c. each; doz., $1.50; $10.00 per 100.

Hollyhocks (See cut, page 159)

In long rows or massed in clumps in lawns they are immensely showy. The plants thrive best in soil that is not too wet; which should be enriched with well-rotted stable or sheep manure. While perfectly hardy, we recommend protecting them slightly during the winter, with leaves, long manure or straw. A fungus or rust sometimes attacks hollyhocks, and to guard against this we recommend spraying the plant in early spring with Pyrox, Bordeaux Mixture or some other suitable fungicide, all of which we can supply.

Chaters Double Canary Yellow.
" " **Crimson.**
" " **Maroon.**
" " **Newport Pink.**
" " **Pink.**
" " **Salmon Pink.**
" " **White.**

If you want to hide some undesirable fence, yard or spot, Hollyhocks will do it better than many other plants.

On account of having a very large stock of these we have made the price lower than usual.
Separate colors of Hollyhocks as above, 20c. each; doz., $1.75; $12.50 per 100.
Double Mixed, Single Mixed, Allegheny Fringed Mixed. Mixed Hollyhocks, as above, 15c. each; doz., $1.50; $10.00 per 100.

Honeysuckle (Various Kinds) (See page 172)

Hop Vine (Several Varieties) (See page 172)

Hydrangeas (Otaksa Varieties) (See page 137)

Hydrangea (Climbing) (See page 176)

Iberis (Hardy Candytuft)

The Hardy Candytufts are low-growing, with evergreen foliage. In spring and early summer they are completely covered with dense heads of pure white flowers. For borders and rockeries they are unsurpassed.
Sempervirens. Pure white flowers.
Sempervirens Snowflake. An improved form of the above.
Price of Iberis, 15c. each; doz., $1.50; $10.00 per 100.

Incarvillea (Hardy Gloxinia)

These tuberous rooted plants produce large Gloxinia or bell shaped flowers in clusters; they require a slight protection of leaves, litter, straw or long manure in winter; May and June.
Delavayi. One of the prettiest perennials. It produces large flowers of a deep pink, much resembling a Gloxinia, on stems 18 inches long, and succeeds in either sun or shade. 15c. each; doz., $1.50; $10.00 per 100.
Grandiflora. A newer variety, the flowers being larger and much brighter than the Delavayi variety. 25c. each; doz., $2.50; $15.00 per 100.

Inula (Flea Bean)

Ensifolia. Dwarf plants, excellent for borders. Golden yellow; July and August. 15c. each; doz., $1.50; $10.00 per 100.

Ipomea (See page 172)

Iris (German and Japanese Type) (See page 164)

Ivy (English) (See page 171)

25c. each; doz., $2.50.

Kudzu Vine (See also page 172)

Pueraria Thunbergiana. 30c. each; doz., $3.00.
Lathyrus Latifolius Alba. White. 15c. each; doz., $1.50; $10.00 per 100.
Lathyrus Latifolius White Pearl.
Lathyrus Latifolius Crimson. 15c. each; doz., $1.50; $10.00 per 100.

Lavendula (Lavender) (See page 49)

Vera. Fine border plant. 10c. each; doz., $1.00 $7.00 per 100.

Liatris (Blazing Star)

Tall flower spikes which loom up over the majority of other perennials; flowering from July till September. Very desirable for table decorations.
Pycnostachia. Light rosy purple; 4 feet.
Scariosa. Deep purple; 3 to 4 feet high.
Price of either of the Liatris, 15c. each; doz., $1.50; $10.00 per 100.

Lilies (Hardy)

(See page 126 for a large list of leading sorts).

Lily of the Valley

For outdoor planting in shaded places this plant fills an important place. The plants increase in size each year. Pure white flower bells appear on stems about 8 to 10 inches long in the latter part of May. The fragrance is wonderful. For outdoor planting the large clumps are best. 25c. each; dozen, $2.50; $18.00 per 100. Stock cannot be moved after May 15th.

Lobelia

Cardinalis (*Cardinal Flower*). Makes a most delightful showing if planted in front of shrubbery or in the herbaceous border; flowers are a vivid crimson on spikes from 2 to 4 feet high, flowering July and August.

Syphilitica Hybrida. Blue and white flowers, produced on long spikes; 2 feet; August-September.

Either of the above Lobelias, 15c. each; $1.50 doz.; per 100, $10.00.

Lychnis (Campion)

Of easy culture, making large bushy plants, all of them showy, when in bloom. These flower, all summer except where noted.

Chalcedonica. Heads of brilliant orange scarlet; 2 feet high.

Chalcedonica Alba. White; 2 feet high.

Chalcedonica Carnea. Flesh-colored heads; 2 feet.

Haageana Hybrida. Brilliant shades of orange and scarlet, blooming in May and June; height, 12 inches.

Vespertina Double White. Large double white flowers; very showy, blooms all summer.

Viscaria (*Ragged Robin, London Pride*). Double red flowers on stalks 15 inches high, very showy; June.

Price of any of the above Lychnis, 15c. each; doz., $1.50; $10.00 per 100.

Lupinus (Lupins) (See cut page 159)

An effect equaled by a border of these cannot be imagined, as it is a wonderful sight. They commence flowering the latter part of May and are in bloom 4 to 5 weeks; 3 to 4 feet high. In extremely dry weather they should be watered liberally.

Polyphyllus. Blue. 25c. each; doz., $2.50; $17.50 per 100.

Polyphyllus. White. 25c. each; doz., $2.50; $17.50 per 100.

Polyphyllus. Moerheimi. This is a new variety, with gigantic flower spikes, which are a combination of pure pink in light and dark shades. 35c. each; doz., $3.50.

Arboreus Somerset (*Tree Lupin*). An entirely distinct variety. Grand for cutting and for borders. For complete description and illustration see page 149. Strong plants, 35c. each; doz., $3.50.

Lysimachia

Chlethroides. An ornamental plant for the hardy border, with a great number of white arched flower spikes. 3 feet high; July-September. 15c. each; doz., $1.50; $10.00 per 100.

Nummularia (*Creeping Jenny or Moneywort*). Excellent for planting under trees or shrubs, where grass will not grow. It forms a dense carpet. 10c. each; doz., $1.00; $7.50 per 100.

Lythrum (Loose Strife)

Succeeds in most any locality. They are rank growers, throwing out flower spikes which are 3 to 4 feet high; blooming from July until September.

Roseum Superbum. Rich rose pink.

Rose Queen. An improvement on the Roseum Superbum, with much larger flowers and longer spikes.

Brightness. A splendid new varity, producing throughout the summer tall erect spikes of brightest pink flowers. Plants grow to a height of 5 feet, most of which is covered by the flowers when in bloom. 35c. each; doz., $3.50; $25.00 per 100.

Price of any of the Lythrum (except where noted), 15c. each; doz., $1.50; $10.00 per 100.

Madeira Vines (See page 173)

Strong Roots. 5c. each; doz., 40c.; $3.00 per 100.

Matricaria (Feverfew)

Little Gem. One of the best perennials for cutting, being literally smothered with large button-like pure white flowers, borne in sprays during the entire summer and autumn. Plants, 18 inches high. This is a wonderfully fine plant and should be planted liberally. 15c. each; doz., $1.50; $10.00 per 100.

Mertensia (Blue Bells)

Virginica. An interesting native plant, with handsome light blue flowers, which appear in May and June. Height, 1 to 1½ foot high. 15c. each; doz., $1.50; $10.00 per 100.

Monarda (Bergamot)

Didyma. In July and August this plant is covered with long flower-stems crowned with dazzling scarlet heads. It is one of those perennials that meet with favor everywhere. The foliage has a very pleasing odor. It grows 2 to 3 feet high and makes a handsome show.

Fistulosa Alba (*White Bergamot*). An extremely showy plant with white flower heads, 2 to 3 feet high; July and August.

Price of either Bergamots, 15c. each; doz., $1.50; $10.00 per 100.

Montbretia (See cut, page 113)

A beautiful flowering bulb resembling a miniature Gladioli, absolutely hardy, and only effective if planted in masses from 50 to 100 bulbs in a clump.

Crocosmiaeflora Type. Scarlet and yellow.
" **Aurantiaca.** Deep golden yellow.
" **Etoile de Feu.** Vermilion with yellow centre.
" **Pottsii.** Large, orange scarlet.
" **Speciosa.** Golden yellow.
" **Rayon d'Or.** Light yellow, spotted brown.

Any of the above varieties, 3c. each; doz., 30c.; 100, $2.25; 1000, $17.50.

Moon Vines (See page 172)

Myosotis (Forget-Me-Not)

These very early spring flowering plants do well if set out in the fall. They are most effective when intermingled with Pansies, English Daisies or amongst summer-flowering perennials. They bloom usually about the middle of April, and last well into the summer. In extremely severe climates a little covering of straw or manure over the plants will prove beneficial.

Alpestris Victoria. A grand variety, with fine heads of clear azure blue flowers; bushy and compact, a fine edging plant.

Alpestris Grandiflora. Of strong, sturdy growth; about 10 inches high, with fine heads of clear forget-me-not blue flowers.

Dissitiflora. Dwarf and compact, with sprays of large, exquisite blue flowers; fine for planting among spring-flowering bulbs.

Palustris Semperflorens. An attractive hardy variety; fine for cut-flower purposes; delicate blue.

Price of any of the Myosotis, 10c. each; doz., $1.00; $7.00 per 100.

Nierembergia (Cup Flower)

Rivularis. A handsome Alpine plant of creeping habit; very valuable for rockery. Creamy white, cup shaped flowers appear in profusion from June until September. 15c. each; doz., $1.50; $10.00 per 100.

Oenothera (Evening Primrose)

After the sun begins to sink and many other perennials close their flowers for the day, the Oenothera is in its glory. Commences flowering in June and lasts throughout the season. The plants are about 10 inches high, and suitable for either border or rock garden work.

Eldorado. Double golden yellow.

Fraseri. Deep yellow; 18 inches high.

Missouriensis. Golden yellow; large.

Speciosa. Pure white; 18 inches high.

Youngi. Rich lemon yellow.

Price of any of the Oenotheras, 15c. each; doz., $1.50; $10.00 per 100.

Ononis (Rest Harrow)

Hircina. Useful both in the perennial border and in rock work, producing rose and white pea shaped flowers from early May until July. 1½ feet. Strong plants. 25c. each; doz., $2.50; $15.00 per 100.

Onopordon (Cotton Thistle)

Tauricum. A stately plant, with silvery leaves; these, as well as the stems being covered with white fuzzy flowers which resemble a majestic Scotch Thistle. Blooms in June and July. 5 feet high. Strong plants. 25c. each; doz., $2.50; $15.00 per 100.

IRIS OR (FLEUR DE LIS)

Iris Pumila

This class of plants are charming and suited to a variety of purposes. By taking a variety of them, the Iris flowering season can be continued over a period of several months.

IRIS PUMILA

The first of the Iris to bloom resembling in appearance the German variety; the plants are 6 inches high and are ideal when used as an edging for taller varieties or in borders or rockeries; they delight in a fairly dry, high situation, and once planted will increase in numbers.

Violacea. Dark blue. | **Die Braut.** White. | **Lutea.** Yellow.

Price of any of the above Iris Pumilas, 15c. each; doz., $1.50; $10.00 per 100.

IRIS GERMANICA (German Iris)

This is the popular "Flag Iris," thriving best in a high, dry soil; when planting observe that the growing part of the crown protrudes from the soil, and only when established, should this be covered entirely; most effective when planted in masses either in the hardy border, in front of shrubbery or in beds.

Eugene Sue. Creamy white spotted purple.

Gypsie Queen. Lavender-bronze, veined white.

Gloire de Hillegom. Light blue; very fine.

Grachus. Crimson and white.

Honorabilis. Yellow, shaded rich bronze.

Innocenza. Pure white.

Kharput. Deep pure blue.

Leonidas. Clear mauve.

Mad. Chereau. White, edged blue.

Pallida Dalmatica. Delicate lavender. 25c. each; doz., $2.50.

Queen of May. Light pink, early.

Nuci d'Orange. Tall growing, with smoky bronze flowers. 25c. each; doz., $2.50.

Mrs. G. Ruethe. White standard, shaded and veined blue gray. The falls are white, frilled soft blue. A large and handsome variety. 25c. each; doz., $2.50.

Ossian. Straw-yellow standard, with bluish violet falls. 25c. each; doz., $2.50.

Price of any of the above German Iris (except where noted), extra strong roots, 15c. each; doz., $1.50; $10.00 per 100.

Mixed Varieties. All colors. 10c. each; doz., $1.00; $6.00 per 100.

IRIS KAEMPFERI (Japanese Iris)

The King of all Iris, covering a wide range of color; named sorts can be selected to cover a flowering period of 5 weeks, from the middle of June into July. The flowers, many of them when spread, measure 8 inches across. While they succeed generally in all soils, they delight and thrive best in a deep, rich loam.

The names being rather awkward, we have arranged them under number so they can be ordered more readily.

No. Double or Six-Petaled Varieties.

4 **Yomo-No-Umi.** Early double, pure white.
3 **Koki-No-Iro.** Rich purple, veined white.
22 **Sano-Watashi.** White, with canary yellow centre.
24 **Gosetsu-Mai.** White, veined and striped light blue.
44 **Yoshimo.** Creamy white, delicately veined deep violet.
107 **Tokyo.** Pure white, very large, fine flowers.
108 **Shimosa.** White ground; evenly spotted; light purple.
9 **Oni-ja-Shima.** Rich purple, veined white.
5 **Kosin-No-Iro.** Light violet, with white veins.

No. Single or Three-Petaled Varieties.

2 **Tora-Odori.** Delicate lavender on white ground.

Japanese Iris

100 **Yomo-Zakuru.** Deep purplish red veins on light ground.
12 **Shippo.** Light lilac, densely veined purple.
43 **Shi-Un-Ro.** Grayish white, veined and suffused deep violet.
111 **Kuro-Kuma.** Bright purple, with crimson sheen.

Price of any of the above-named Japanese Iris, in strong roots, 25c. each; doz., $2.50; $15.00 per 100.

Japanese Iris, mixed colors, 15c. each; doz., $1.50; 100, $10.00.

IRIS INTERMEDIA (New)

A new type, a cross between the German Iris and Iris Pumila. Is medium early, flowering in between those two varieties. Three choice varieties: **Ceres,** pearl white; **Charmant,** white, blue markings; **Walhalla,** light blue. Price of the above, 30c. each; doz., $3.00.

IRIS SIBIRICA

One of the most elegant of all the Iris groups and among the easiest to grow, has grassy foliage with tall stems, very floriferous and one of the best for cutting.

Orientalis. One of the most beautiful flowers, very large, rich violet blue.

Orientalis. Snow Queen. A new white-flowered variety of the type; petals broad and full, of snowy whiteness, and with rich golden yellow blotches.

15c. each; $1.50 doz.; per 100, $10.00.

Plants can be shipped best by express. No Plants sent C. O. D.

MICHELL'S Japanese Iris

Strong Clumps or Roots

	Each	Dozen	100
NAMED VARIETIES:	25c.	$2.50	$15.00
MIXED COLORS:	15c.	1.50	10.00

Michell's Gorgeous Paeonies

(See opposite and following page.)

Key to the above varieties:

	EACH	DOZ.	
1—EUGENIE VERDIER	50c.	$5.00	SPECIAL OFFER:
2—DUCHESSE DE NEMOURS	30c.	3.00	1 of each for $1.15
3—FELIX CROUSSE	50c.	5.00	

This "Queen of Spring" holds a place entirely her own in effective gardens. The exquisite form, the delicate and rich colors, its value for garden or house decoration, and the delightful fragrance are all points in its favor. No disease or insect ever troubles this plant. The best effect of Pæonies is attainable when massed by themselves in groups on lawns or borders with a distinct background of shrubbery. They delight in a sunny location in deep rich soil. After planting take care to see they are watered regularly until you feel they are established. At blooming time the size and quality of flower are greatly increased. if the plants are watered in absence of occasional rains. In planting always take care to see that the crown or top of root is not more than 1 to 2 inches below the surface when covered. The roots are perfectly hardy and once planted remain for years, increasing in size. Roots can be delivered beginning in April or in the autumn beginning in September.

Attention is called particularly to our revised list of named varieties, which includes the very finest sorts. The day of the common garden pæony is about over, the improved named sorts, which cover every imaginable shade of color, being sought after instead. **We send out only extra strong roots.**

PINK SHADES

	Each	Doz.
Achille. Beautiful shell-pink, changing to lilac white. splendid variety	$0.25	$2.50
Beaute Francaise. Lilac-rose, with a cream white collar; centre spotted carmine. Very fragrant..	.35	3.50
Berlioz. Perfect form. Large magenta rose color; silver tipped. Late	.35	3.50
Dr. Bretonneau. Lilac rose, with cream white centre, flecked crimson	.30	3.00
Carnea Elegans. Of a clear flesh color, glossy reflex. A free bloomer	.35	3.50
Charlemagne. Excellent, large flowering variety. Lilac white, with a light pink centre. Fragrant..	.50	5.00
Clarisse. Beautiful rose pink, with silvery pink centre; fine form and habit	.25	2.50
Delicatissima. Pale lilac rose, free habit; fragrant	.30	3.00
Duc de Cazes. Bright pink, silvery reflex	.25	2.50
Edulis superba. Beautiful shaped flower of a bright mauve pink color, with narrow edges of lilac. One of the best early sorts	.25	2.50
Eugenie Verdier. Giant globe-shaped flower of a soft pink color. Mid-season	$0.50	$5.00
Faust. Delicate flesh pink, with salmon centre	.25	2.50
Grandiflora Rosea. Full globe-shaped flower, light solferino red petals, salmon centre	.30	3.00
L'Indispensable. Perfect shaped flower of a delicate creamy color, beautifully shaded pink in centre. Very striking variety	.50	5.00
Mme. Forel. Late desirable sort. Very large compact flowers of a beautiful shade of light pink, with a silvery tipped centre	.50	5.00
Mons. Krelage. Grand flowers of a dark pink color. Large and compact. Very desirable variety	.50	5.00
Marie Lemoine. Very large, compact flower of lasting qualities. Delicate white rose, with a creamy centre	.50	5.00
Mme. Leonie Calot. Delicate rosy white, centre petals slightly tipped carmine. Mid-season	.50	5.00

MICHELL'S GORGEOUS DOUBLE PAEONIES (Roots)

Paeony Candidissima

WHITE AND LIGHT SHADES	Each	Doz.
Agnes Mary Kelway. The outer large petals are white tinted rose, while the centre is a cream shade; a very striking flower	$0.25	$2.50
Alba Plena. A giant flower of the purest white; very double. Of superb fragrance	.25	2.50
Candidissima. Creamy white, with a clear, sulphur-yellow centre, which shows an occasional slight tint of flesh pink	.30	3.00
Couronne d'Or. Immense, very full, imbricated ball-shaped form; color, snowy white with yellow reflex and deep pink edges on a few petals	.50	5.00
Duc de Wellington. Large, sulphur-white flower of great fragrance and with long stems	.35	3.50
Duchesse de Nemours. Pure white, with a sulphur white centre; very early and extra fine	.30	3.00
Festiva Maxima. Beautifully shaped flower, often 7 to 8 in. in diameter. Pure white, splashed red..	.40	4.00
La Rosiere. Of striking appearance; imbricated petals of yellowish white with straw yellow centre.	.35	3.50
Queen Victoria. Pure white; cream centre	.35	3.50
Zoe Calot. Pure white; suffused rose	.35	3.50
RED AND DARK SHADES		
Anemoneflora Rubra. Anemone form, having a broad collar; a beautiful dark crimson	.30	3.00
Delachi. Large flowers of a deep purple color, free bloomer	.30	3.00
Felix Crousse. Large bright red flowers on long stems. Extra fine, self-colored variety	.50	5.00
General MacMahon. Large anemone-shaped flower of a deep violet color. Magnificent variety	.50	5.00
L'Eclatante. Large globular flower of brilliant red color; very good variety	.30	3.00
Louis Van Houtte. A rich shade of crimson maroon, an exceptionally fine large flower	.30	3.00
Meissonier. Loose reddish purple flowers on tall stems. Very fragrant. Very good variety	.35	3.50
Victor Hugo. One of the very best of red paeonies. Brilliant carmine red. Unsurpassed for cutting..	.50	5.00

PAEONY CHINENSIS

This is the common garden variety in cultivation most everywhere.

	Each	Doz.	100
Double Red. Large roots	$0.25	$2.50	$15.00
Double White. Large roots	.25	2.50	15.00
Double Pink. Large roots	.25	2.50	15.00

PAEONY OFFICINALIS (The old fashioned Paeony)

Fragrant flowers of immense size, flowering early in May and having a distinct foliage and growth.

	Each	Doz.	100
Rosea. Double pink	$0.30	$3.00	$20.00
Rubra. Double red	.30	3.00	20.00
Alba. Double white	.30	3.00	20.00

One each of the above 3 colors for 75c.

Tree Paeony Lambertiana

DOUBLE TREE PAEONIES

These very beautiful and free-flowering pæonies deserve to be included in every collection. They are from 2 to 3 weeks earlier than any other variety and the flowers, often measuring a foot in diameter, include every shade from white and softest pink to the most brilliant scarlet and purple.

Abraham Lincoln. Deep velvety amaranth; very double.
Confucius. A beautiful shade of purplish scarlet, single.
Jeanne d'Arc. Very large, salmon rose with dark centre, single.
Bijou de Chusan. Pure white, yellow centre, semi-double.
Etna. Brilliant fiery red.
Lambertiana. Pure white, suffused with delicate rose.
Louise Mouchelet. Beautiful silvery rose; extra large flower, double.
Queen of Belgiums. Blush shaded salmon rose. Splendid sort.
Beauty de Cologne. Salmon rose, suffused flesh colored.
Rosea Superba. Salmon rose; semi-double. Beautiful.

Any of the above varieties; extra strong plants, $1.00 each; per dozen, $11.00; (or 1 of each for $9.00).

PAEONIA TENUIFOLIA Flore Plena

An early flowering specie with fern-like foliage and double deep crimson flowers, a shade like the Jacq Rose; this is undoubtedly one of the most attractive pæonies in cultivation, excellent for massing or planting individually in the herbaceous border, blooming very early in May, sometimes latter part of April, makes an exceedingly attractive plant. Each, 25c.; per doz., $2.50; $20.00 per 100.

Paeony Culture is fully covered by **Michell's Bulb Growing Guide.** Ask for a free copy.

Watch for the announcement of our annual Paeony Show in June

Orobus (Bitter Vetch)

This class of plants succeeds in almost any location or soil. Excellent for borders or rockeries, flowering in May and June.
Lathyroides. Pea-shaped blue flowers; 1 foot high.
Superbus. Purple flowering; 1 foot high.
Vernus. Deep purple, pea-shaped; 1 foot.
Price of any of the above Orobus, 25c. each; doz., $2.50; $15.00 per 100.

Pachysandra (Mountain Spurge)

An evergreen trailing plant, with thick glossy foliage forming a dense mat; one of the finest ground covers for either sunny or shaded locations. Fine for planting under trees where grass will not grow.
Terminalis. Green; 6 to 8 inches high; small flower spikes of a grayish white, in May and June.
Terminalis Variegata. A variegated form of the above.
Either of the above, 15c. each; $1.50 doz., $10.00 per 100.

Paeonias (See pages 165-166)

Pardanthus (Blackberry Lily)

Sinensis. Lily-like flowers of bright orange, appearing during July and August, which develop into seed heads resembling blackberries. Does well in any soil; prefers a sunny location. July-August. 15c. each; doz., $1.50; $10.00 per 100.

Pentstemon (Beard Tongue)

An odd-shaped flower, borne on stalks about 2 feet high. It somewhat resembles the Gloxinia, but is longer and narrower. Starts to bloom in early summer and lasts until the frost strikes it down. It makes a brilliant show in the hardy border, also in rock gardens.
Barbatus Torreyi. Brilliant scarlet.
Digitalis. Purplish white flowers, with dark purple throat.
Diffusus. Deep purple; 1½ foot.
Glaber Hybrids. Mixed colors; 2 feet.
Grandiflorus. Dwarf bushy growing plants; purple flowers.
Sensation. A splendid mixture of different shades; 2½ feet.
Ovatus. Bright blue, shaded purple; 2 feet.
Price of any of the above Pentstemons, 15c. each; doz., $1.50; $10.00 per 100.

Phlox (Miscellaneous)

Amœna. A beautiful plant, with soft rose-colored flowers; one of the best for rockery or borders; 4 inches high; April-May.
Divaricata Canadensis. A patch of these makes a spring show hard to describe. The large heads of fragrant lavender flowers appear the latter part of April and in May; nothing that flowers at the same season of the year can compare with it for beauty.
Divaricata Alba Grandiflora. A white-flowered form of the above and equally as beautiful. 20c. each; doz., $2.00; $12.50 per 100.
Ovata Carolina (*Mountain Phlox*). A handsome evergreen species of dwarf habit, with masses of rosy pink flowers; 10-12 inches; May and June.
Subulata Rosea (*Moss Pink*). Moss evergreen-like foliage, tucking close to the ground and covered completely with pink star-like flowers in May.
Subulata Alba. The same as Rosea, with pure white flowers.
Price of any of the above Miscellaneous Phlox (except as noted), 15c. each; doz., $1.50; $10.00 per 100.

Phlox (Decussata) (See pages 138 and 151)

Physalis (Lantern Plant)

Alkekengi. Ornamental variety of the Ground or Winter Cherry. The lantern-like, orange-red fruits are highly interesting; plants grow 2 feet high.
Francheti. Similar to the above, except the fruits have a more brilliant color.
Price of Physalis, 15c. each; doz., $1.50; $10.00 per 100.

Physostegia (False Dragon Head)

Attractive perennial, blooming usually the latter part of July and August. Grows from 3 to 4 feet high, throwing up spikes decked with delicate tube-shaped flowers, somewhat resembling a large-flowering heather.
Virginica. Delicate soft pink.
Virginica Alba. Pure white; very striking.
Speciosa. Delicate pink.
Price of either of the above Physostegia, 15c. each; doz., $1.50; $10.00 per 100.

Platycodon (Japanese Bell Flower)

Very useful for cutting, and having a very long flowering season, lasting from June until October. These are exceptionally beautiful, resembling somewhat the dwarf Campanulas. The plants are literally covered with flowers when in bloom. Height, 2 to 3 feet.
Grandiflorum. Beautiful rich shade of blue; very handsome.
Grandiflorum Album. Pure white.
Price of Platycodons, 15c. each; doz., $1.50; $10.00 per 100.

Plumbago (Leadwort)

Larpentae. A dwarf spreading plant, splendid for rock garden and for edging hardy borders. During the summer and autumn months it is covered with rich deep blue flowers. 15c. each; doz., $1.50; $10.00 per 100.

Hardy Garden Pinks (Double)

These old-fashioned favorites, bearing their clove-scented flowers during the spring and early summer, are absolutely perfect as an edging for the hardy border; as cut flowers, they are indispensable.
Carmen. A fine early light pink.
Delicata. A self-colored variety of a delicate lilac shade, on long stems. 25c. each; $2.50 doz.; $15.00 per 100.
Her Majesty. One of the best, pure white.
Homer. Rosy-red, with dark centre. 25c. each; doz., $2.50; $15.00 per 100.
Juliette. White, bordered crimson.
Lord Lyon. Deep pink, profuse bloomer.
Nobel. Purest white, blooms continuously.
White Reserve. Flowers the entire summer; pure white.
Price of any of the above hardy garden pinks, except where noted, 15c. each; $1.50 doz.; $10.00 per 100.

Polemonium (Jacob's Ladder)

Handsome border plants, about 1 foot high, succeeding best in a semi-shaded location. The flowers, which appear from June to September, are very showy.
Richardsoni. Sky blue, with golden anthers.
Richardsoni Alba. A white form of the above.
Price of Polemonium, 15c. each; doz., $1.50; $10.00 per 100.

Iceland Poppies

The graceful feathery foliage is surmounted with a mass of stems a foot high, which terminate in a beautiful cup-shaped flower. They flower continuously the entire summer.
Orange King (Orange Yellow).
White.
Yellow.
Mixed Colors.
Price of Iceland Poppies, 15c. each; doz., $1.50; $10.00 per 100.

Oriental Poppies (Papaver)

In late years the hardy Poppies have come much in favor by reason of the wonderfully showy effect they produce. The gorgeous colored flowers of the Oriental type make a rich, brilliant display. These bloom usually in July; after the flowering period the plants have a tendency to take on the appearance as if they were dead; but they return to vigor usually as soon as the weather becomes cool. Although they are perfectly hardy, the little trouble of placing and covering manure over them in the winter will reward one with an extra wealth of bloom.
Fuerstenkind. Brilliant scarlet.
Goliath. One of the most effective, large flowers of a rich scarlet; the largest flowers of this class.
Mrs. Perry. Soft salmon rose; very fine.
Mahony. Dark crimson maroon.
Princess Victoria Louise. Beautiful salmon pink.
Mary Studholme. Delicate salmon rose.
Rose Queen. Salmon rose, shaded lilac.
Silberblick. Cup-shaped flowers, bright brilliant salmon red, shaded white in the centre; one of the very best.
Oriental Poppies, 25c. each; doz., $2.50; $15.00 per 100.

Potentilla (Five Finger)

Handsome plants, with brilliant flowers, which appear in great profusion from June until August. They do well under all conditions and in any soil; 18 inches high.
Atrosanguinea. Velvety, brilliant red single flowers; plant of branching habit; covered with bloom from June to autumn.
Formosa. Fiery orange, with light yellow.
Hoopwoodiana. Dark red, shaded yellow.
Price of Potentillas, 25c. each; doz., $2.50; $15.00 per 100.

MICHELL'S HARDY PERENNIAL PLANTS

Prunella

Low growing plants, suitable for rockeries or borders. Do well in the shade; 6 inches high; bloom all summer.

Grandiflora. Purple; very fine.

Incisa. Bright rosy purple.

Price of Prunellas, 25c. each; doz., $2.50; $15.00 per 100.

Pueraria (See page 172.) 30c. each; doz., $3.00.

Primula (Hardy Primrose)

One of the first of the early spring plants to bloom; it delights in a rich soil, preferably in a semi-shaded location. Some of the varieties are richly colored, and, generally speaking, as a perennial are worthy of a place in every hardy garden. As a hardy border edging, as well as for rockery planting, we can highly recommend it.

Auricula. A mixture of finest shades of red and yellow; from the finest strains. 25c. each; doz., $2.50; $15.00 per 100.

Polyanthus (*Elatior*). Velvety red, edged golden yellow. 15c. each; doz., $1.50; $10.00 per 100.

Veris (*English Cowslip*). A mixture, covering various shades of red and yellow. 10c. each; doz., $1.00; $7.50 per 100.

Vulgaris (*English Primrose*). Bright lemon yellow, with a distinct pleasing odor. 15c. each; doz., $1.50; $10.00 per 100.

Pyrethrum

This is one of the handsomest perennial flowers in cultivation today. The large daisy-like blooms appear as early as June and continue in abundance continuously until September. They delight in a rich soil with a natural drainage. They thrive best in the full sunlight. As the flowers die, the old stems should be cut off to encourage new blooms.

Our collection of these is extremely fine and true to description, comprising some of the best English varieties.

Alfred. Double; rich crimson.

Cleopatra. Double; flesh colored, with yellow centre.

La Belle Blonde. Double; pure white; one of the best.

Lady Derby. Silvery flesh; late flowering; double.

La Vestale. Double; white tinted lilac; extra fine.

Lord Roseberry (New). Brilliant crimson; double. (For full description, see p. 149.) Strong plants, 50c. each; doz., $5.00.

Mme. Patti. Double; silvery rose; fine flower.

Mont Blanc. Double; white.

Queen Mary (New). Bright peach pink; one of the finest sorts. Strong plants, 50c. each; doz., $5.00.

Roseum Plenum. Double; rose and white; very distinct.

Solfatare. Double; creamy yellow; a splendid flower.

Uliginosum. Single giant white.

Single Hybrids in choice mixture.

Single Pyrethrums, 15c. each; doz., $1.50; $10.00 per 100.

Price Double Pyrethrums (except where noted), in strong plants, 35c. each; doz., $3.50; $25.00 per 100.

Ranunculus (Buttercup)

Acris Fl. Pl. A dainty double sort, with yellow, button-like flowers; 2 feet; May. 15c. each; doz., $1.50; $10.00 per 100.

Rosemary (See page 49)

Officinalis. 10c. each; doz., $1.00; $7.50 per 100.

Rudbeckia (Cone Flower)

A variety of these will furnish a supply of cut flowers from early July until September. They are extremely hardy, doing well with every one. They could be termed "a city garden perennial," doing so well with little attention.

Golden Glow. Double; canary yellow; 6 feet; August.

Newmanni. Single dark orange, with deep purple cone centre; 3 feet high; flowers from July to September.

Purpurea (*Giant Purple Cone Flower*). The flowers remain in perfect condition on the plants for weeks at a time. In fact, we do not know of any other perennial where the flowers last so long in perfect condition. Flowers from July to September; 2½ feet high.

Price of Rudbeckias, 15c. each; doz., $1.50; $10.00 per 100.

Salvia (Flowering Sage)

The hardy varieties of this plant are coming into great favor, by reason of their beauty and freedom of bloom.

Azurea. The plant is covered with a mass of rich sky blue flowers, commencing in July and lasting until September; grows about 3 feet tall. They make a good show if planted in masses 15c. each; doz., $1.50; $10.00 per 100.

Greigi (New). Cerise crimson; 2½ to 3 feet. For description see page 149. Strong plants. 35c. each; doz., $3.50.

Salvia (*Continued*)

Pitcheri. Similar to the Azurea, but of more branching habit; the flowers are very large and of a deep blue color; 3 feet high; July-September. 25c. each; doz., $2.50; $15.00 per 100.

Uliginosa (New). A beautiful late flowering variety; clear blue with a distinct white eye. For full description of this splendid sort see page 149. 50c. each; doz., $5.00.

Salvia Virgata Nemorosa. This splendid new variety grows in a shapely dense bush form, above which tower the flower spikes, decked with many deep blue blossoms. Blooms continuously from July to September; 2½ feet. 25c. each; doz., $2.50; per 100, $15.00.

Saponaria (Soap Wort)

Caucasica. Double white, tinted rose flowers; in bloom all summer; 15 inches high.

Ocymoides. A splendid plant for rock gardens, growing only 9 inches high. Through the whole summer it is covered with masses of small, brilliant pink flowers.

Either of the above, 15c. each; doz., $1.50; $10.00 per 100.

Saturea (Winter Savory) (See page 49)

Strong Plants. 10c. each; doz., $1.00; $7.00 per 100.

Saxifraga

These are exceedingly valuable for the front of the border or shrubbery, also for rockeries. The plants form masses of handsome, deep green foliage, and the flowers appear very early in spring, as soon as the frost is out of the ground; they will thrive in any kind of soil and in any location; 1 foot high.

Orbiculare. Deep rose.
Purpurea. Deep purple.
Splendens. Rosy crimson.

} Price of Saxifragas, 25c. each; doz., $2.50; $15.00 per 100.

Scabiosa

The hardy variety is even more wonderful and of greater beauty than the annual sort, commonly called Mourning Bride. The flowers are gigantic, measuring frequently three inches and more in diameter. It delights in a sunny position, and is a cut flower few perennials can equal. It lasts a long while in water. The average height is about 2½ feet. Very free flowering.

Caucasica. A delicate shade of lavender blue, starting in flower in June and lasting well through the summer.

Caucasica Alba. White. Like the above, except the color.

Japonica. Rich lavender blue; July and August.

Price of Scabiosas, 25c. each; doz., $2.50; $15.00 per 100.

Schizophragma. (See page 173.) 60c. each; doz., $6.00.

Scuttellaria

Coelestinum. A dwarf spreading Alpine plant, with bright blue flowers. Splendid for rockeries. July-August. 15c. each; doz., $1.50; $10.00 per 100.

Senecio

Clivorum. A splendid plant from China, forming a mass of large green foliage and loose branching heads of bright yellow flowers; it produces a bold effect and is particularly suited for low, damp locations. Strong plants. 25c. each; doz., $2.50; $15.00 per 100.

Sedum (Stonecrop)

Acre. The foliage of this is a distinct attraction in itself, being of a yellowish green shade; for covering rockeries, in borders or beds on cemetery lots it is indispensable. The flower, which appears in July, is bright yellow and lasts on the plant for a long while; height, 6 inches.

Album. Green foliage, white flowers; height, 6 inches.

Sieboldii. Roundish foliage, with a blue cast, the flowers, which appear in August and September, are bright pink.

Spectabilis. This variety grows about 18 inches and flowers in June, foliage light green, immense heads of pink flowers.

Spectabilis Brilliant. One of the prettiest tall growing species, reaching a height of about 18 inches; broad light green foliage and richly colored flowers of amaranth red. September-October. 25c. each; doz., $2.50; $15.00 per 100.

Maximum Atropurpureum. Dark bronzy-purple foliage; red flowers. 15 inches. 25c. each; doz., $2.50; $15.00 per 100.

Sexangulare (*Love'en'tangle*). Dark green foliage, yellow flowers. 6 inches high.

Price of Sedums (except where noted), 15c. each; doz., $1.50; $10.00 per 100.

MICHELL'S HARDY PERENNIAL PLANTS

Shasta Daisy (See page 157) (Chrysanthemum)

Silene (Catchfly)

Very charming dwarf Alpine plants, in bloom from spring until fall, making them especially suitable for rock gardens.

Alpestris. Sheets of star-shaped, white flowers on slender stems. 6 inches high.

Asteria Grandiflora. A handsome species; producing spikes of bright red flowers throughout the summer. 3 feet high.

Schafta. Rosy purple flowers; a good plant for rockeries; 4 inches high; July to October.

Price of Silenes, 15c. each; doz., $1.50; $10.50 per 100.

Solidago (Golden Rod)

Altissima. The finest of the Golden Rods, growing 4 to 5 feet high, with stately panicles of bright golden yellow flowers from July to September.

Canadensis. Our native Golden Rod in a cultivated form; deep yellow flowers in August and September; 4 feet.

Either of the above, 15c. each; doz., $1.50; $10.00 per 100.

Stachys (Wound Wort)

An attractive plant, 12 to 15 inches high, flowering in June and July.

Betonica Rosea. Rich brilliant pink.

Lanata. An ideal edging plant with bright silvery-white woolly foliage. The flowers, which are rather small, are bright purple, 8 inches high. Either of the above Stachys, 15c. each; doz., $1.50; $10.00 per 100.

Statice (Sea Lavender)

This may be classed among the everlasting flowers, as it is principally grown for dried winter bouquets. The foliage is heavy, out of which rise large panicles made up of tiny florets, which produce a fine effect. Blooms usually from June till October.

Gmelini. One of the finest of the class. Immense panicles of flowers of a delicate light blue color; 15 inches high. July to October.

Latifolia. Gigantic heads of dark blue flowers.

Eximia. Large panicles of pretty lilac flowers; 15 to 18 inches high.

Tartarica. Deep lilac flowers, which appear in profusion all summer; 15 to 18 inches high.

Price of the Statices, 15c. each; doz., $1.50; $10.00 per 100.

Spiraea (Drop Wort)

Graceful border plants with feathery flower plumes; especially adapted for shaded positions.

Filipendula Fl. Pl. A charming variety, with double white flowers and deeply cut foliage, 1½ feet high; June and July. 15c. each; $1.50 doz.; per 100, $10.00.

Stokesia (Corn Flower Aster)

The flower has the appearance combining a giant cornflower and an aster. Plants are 18 inches high and are of spreading habit, blooming from June until frost. Frequently flowers are 4 inches in diameter; highly recommended for cutting; succeeds in most any location.

Cyanea. Very light blue.

Cyanea Alba. Pure white.

Price of the above, 15c. each; doz., $1.50; $10.00 per 100.

Sweet William (Dianthus Barbatus)

This plant occupies a foremost position, producing, early in spring, quantities of bloom which make a grand effect, for just when they are in flower, it is generally too soon for other perennials; for wild garden effect, Sweet Williams should occupy first place.

Michell's Prize Mixture. In all colors.

Pink Beauty (sometimes called Newport Pink). A splendid shade of salmon with immense flower trusses. When massed it is a striking feature of the perennial garden; an extra fine novelty.

Pure White, Crimson, Red with White Eye, Maroon, Scarlet, Violet with Eye, Pink. Each color separate.

Price of any of the above in extra strong plants, 10c. each; doz., $1.00; $7.50 per 100.

Trillium (Wood Lily)

Excellent for shaded positions, flowering very early in spring. It looks best when planted among hardy plants.

Erectum. Purple. **Grandiflorum.** White.

Price of Trilliums, 10c. each; doz., $1.00; $6.50 per 100.

Thalictrum (Meadow Rue)

Very graceful plants with handsome, finely cut foliage; they make splendid border subjects and also useful for the rockery.

Adiantifolium. The foliage resembles the Maidenhair Fern; the white flowers, which are of miniature size, appear in profusion in June and July. 12 inches high.

Aquilegifolium Atropureum. Rosy purple flowers; 3 ft. high.

Aquilegifolium Album. A white flowered form of the above.

Flavum. Large, loose heads of rich yellow flowers; 2 feet.

Price of Thalictrums, 20c. each; doz., $2.00; $15.00 per 100.

Thermopsis

Fabacea. A tall growing, very showy plant, which produces long spikes of yellow flowers from June to August. 15c. each; $1.50 doz.; per 100, $10.00.

Trollius (Globe Flower)

An early flowering plant, lasting in bloom till August. It prefers a shaded location; while it is hardy, we recommend a slight protection to the plant in winter; height, 12 inches.

Caucasicus "Orange Globe." A fine bold variety with large deep orange colored flowers.

Europaeus. Bright yellow, globular flowers.

Japonicus "Excelsior." Very deep orange colored flowers.

Price of Trollius, 25c. each; doz., $2.50; $15.00 per 100.

Tritoma (See cut, page 159)

(Flame Flower, Torch Lily or Red Hot Poker Plant)

In summer and autumn when other flowers are on the wane, the Tritoma looms up and furnishes a wealth of bloom till killing frosts check it. A vase of these arranged with autumn leaves or ornamental grasses make a handsome effect. Though the roots are considered hardy, we, however, recommend that they be lifted in the autumn and placed in a box of soil or sand, preferably in the cellar or be heavily protected with long manure.

Pfitzeri. Blooms from August till October; rich orange scarlet. Extra large plants, 25c. each; doz., $2.50; $15.00 per 100.

Valeriana (Spurred Flower)

Coccinea. Showy heads of red flowers, in bloom all summer.

Coccinea Alba. A white form of the above.

Officinalis (*Hardy Garden Heliotrope*). Showy pink flowers from June to August, with a strong heliotrope perfume.

Price of any of above, 15c. each; doz., $1.50; $10.00 per 100.

Veronica (Speedwell)

The taller forms are very pretty border plants, and the dwarfer varieties are well suited for the rockery.

Amethystinus. Amethyst blue, July-August; 1½ to 2½ feet.

Incana. White, silvery-like foliage, tufted with pale blue flowers; 12 to 18 inches; July and August.

Longifolia Subsessilis. This is undoubtedly the most beautiful blue perennial we know of. Grows 2½ feet high and is completely studded with spikes of rich blue flowers from July to August. 25c. each; doz., $2.50; $15.00 per 100.

Royal Blue. A splendid newer sort, with large spikes of purplish blue flowers; 2 feet; July and August.

Virginica Alba. Large, pure white.

Price of above Veronicas (except where noted), 15c. each; doz., $1.50; $10.00 per 100.

Vinca (Periwinkle or Myrtle)

It is often a perplexing problem to find the plant that will do well in a dense shade. Right there is where Vincas of the hardy class should be employed, also on spots where it is desired to cover the ground and no grass will grow. The attractive light lavender flowers produce a sheen of color in May. It is valuable for planting on cemetery lots by reason of its dwarf creeping habit. The foliage is green all winter.

Aurea (New). Foliage is green, margined yellow, lavender flowers. 25c. each; doz., $2.50; $15.00 per 100.

Minor. Green foliage, lavender flowers. Extra strong plants, 15c. each; doz., $1.50; $10.00 per 100.

Yucca (Adam's Needle)

This plant sets off to best advantage if planted as individual specimens either on the lawn or in the shrubbery border. The foliage is of an evergreen nature, and is slender and pointed. The tall flower-spikes rise 4 to 5 feet above the plant and are decked with cream white bell-shaped drooping flowers during July and August.

Filamentosa. White, with reflexed flower bells. Extra strong plants, 25c. each; doz., $2.50; $15.00 per 100.

MICHELL'S SUPERB HARDY CLEMATIS VINES

This family of Climbing Plants are probably more popular than any other. Some of the small flowering varieties are exceedingly fragrant. The large flowering types make a glorious effect on account of their gigantic blooms and striking appearance. All Clematis delight in plenty of sunlight, rich soil and plenty of water in dry weather. Our list of large flowering sorts is limited to the best varieties, which bloom generally in June.

A beautiful effect made with Clematis Paniculata

LARGE FLOWERING VARIETIES

Note.—Great care should be exercised in planting the large-flowering varieties. During the process of transplanting, the stem is likely to get broken below the eye shoots, which would render the plant useless. To guard against this, place a few stakes around the plant to protect it after planting. In the winter put a covering of straw, long manure or leaves around the roots.

Henryi. Creamy white large single flower borne in great profusion.

Integrifolia Durandi. Grows about 5 feet high, flowers early in the summer, intermittently until autumn; produces very large flowers of an intense shade of indigo blue; for pillar effects or planting to individual stakes in the garden they make fine shows. Conceded to be one of the finest of the Clematis family and is described as being of wonderful beauty.

Jackmanni. Violet-purple, intensely colored gigantic flower; one of the best.

Mad. Edouard Andre. Velvety red flowers are well formed of great substance; the blooms are gigantic.

Montana Grandiflora. Large, pure white flowers about 2 inches in diameter, begins to flower early in April and at times the whole plant is covered with bloom. 50c. each; doz., $5.00.

Montana Rubens (*New*). Medium-sized flowers, a soft shade of rosy red, looks excellent when massed among Clematis Paniculata. Though it dies down in the winter, the roots should be protected to ensure its remaining alive in the latitude of Philadelphia. Strong plants, 60c.; per doz., $6.00.

Nelly Moser. White and pink in one flower; striped carmine pink, flowers are often 4 to 5 inches in diameter.

Sieboldi (*Hybrida*). Very large bright blue flowers, a distinct contrast to every other variety. 50c. each; doz., $5.00.

Price of any of the above Large Flowering Clematis, except where noted, in extra strong pot-grown plants, 50c. each; doz., $5.00.

SMALL FLOWERING VARIETIES

These flower profusely, and are in demand for covering porches, trellis and arbors, and to climb over posts and fences.

Coccinea. Bright red, bell-shaped small flowers, which begin to appear in June and last until frost. 25c. each; $2.50 per doz.

Crispa. This variety bears sweet-scented, lavender flowers, white in the centre. It flowers early and continues until frost. Makes an excellent combination of color when planted with the Flammula and Coccinea varieties. Extra strong plants, 35c. each; $4.00 per doz.

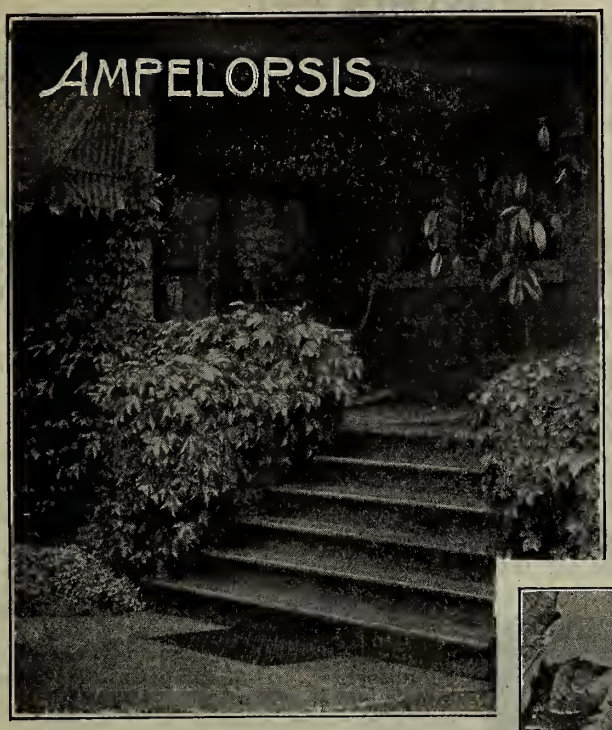
Flammula (*Fragrant Virgin's Bower*). White flowers, a trifle smaller than above; fragrant, blooms June and July. Extra strong plants, 40c. each; doz., $4.00.

Paniculata (*Japanese Virgin's Bower*). A strong luxuriant grower, with light green foliage. At the close of August innumerable star-like flowers cover the vine in a sheet of fragrant white. Strong plants, 25c. each; per doz., $2.50; $15.00 per 100. Extra strong plants, 50c. each; per doz., $5.00; $35.00 per 100.

Clematis Jackmanni. One of the most beautiful of the large flowering species.

For a complete list of Climbing Roses see pages 144-145

CLIMBING PLANTS AND VINES



ACTINIDIA (Hardy)

Arguta (*Silver Vine*). An introduction from China which in this country is grown principally for the dense shading foliage, which is very dark green, heart shaped. In its native home it is supposed to flower yellow, although in this country it has not been known to bloom. Fine for covering tree trunks, arbors, etc. Strong plants, 50c. each; doz., $5.00; extra strong plants, 75c. each; doz., $7.50.

AKEBIA (Hardy)

Quinata. Quick-growing vine; small, fine-lobed, half-evergreen leaves, and purplish brown or chocolate-colored flowers, which have a delicious odor. This plant is highly desirable where a dense shade is not desired. Extra strong plants, 25c. each; doz., $2.50; 100, $15.00.

AMPELOPSIS (Hardy)

Engelmanni. Handsome dense foliage; clings readily to stone and brick walls; foliage light green in summer, changing to crimson in the autumn; very rapid grower. Strong plants, 35c. each; doz., $3.50.

Henryana. A new and perfectly hardy beautiful variety from China, with fringed foliage, which gives it an attractive appearance. Toward autumn the foliage changes to brilliant red and shows a light colored vein. Extra strong plants, 50c. each; doz., $5.50.

Humilifolia. A distinct species; dark glossy green foliage. In the early autumn the vine is loaded with round berries, which go through various shades of color, finally turning deep blue. This variety is very hardy. Strong plants, 75c. each; doz., $8.00.

Lowii (*New Japanese Ivy*). Conceded to be a great improvement over Veitchii. It possesses every one of the merits of the latter and resembles it in many ways, except that the foliage is smaller and more finely divided. It clings to the smoothest surfaces on its own accord. Grows very rapidly, having foliage of a light green shade. In the autumn it changes to bright scarlet. Extra strong plants, 40c. each; per doz., $4.50; $35.00 per 100.

AMPELOPSIS (*Continued*)

Quinquefolia (*Virginia Creeper*). The large, handsome, dark green leaves are deeply cut into five lobes, hence the name "Five Finger" is often given to it. In the autumn the foliage turns a beautiful rich crimson; especially adapted to covering tree stumps and trunks. Extra strong plants, 25c. each; per doz., $2.50; $15.00 per 100.

Veitchii (*Boston Ivy*). The popular climber for brick and stone buildings and walls. The leaves are a beautiful deep green, which in the autumn turn to a coppery red. Strong plants, 25c. each; per doz., $2.50; $17.50 per 100.

ARISTOLOCHIA (Hardy)

Sipho (*Dutchman's Pipe*). Handsome light green leaves, giving a quick, dense shade. The brown flowers are shaped like the bowl of a pipe. The vine retains its color throughout the entire summer. Large plants, 50c. each; doz., $5.00.

Bignonia Grandiflora

BIGNONIA (Trumpet Vine) Hardy

These are strong-growing vines, with rich green foliage and trumpet-shaped flowers.

Grandiflora. Large flowering, bright orange-red. Strong plants, 50c. each; doz., $5.00.

Radicans. Dark red, free-flowering, throat shaded orange. Our plants are extra large of this variety. 35c. each; doz., $3.50.

CELASTRUS (Bittersweet or Waxwort) (Hardy)

Scandens. A native of this country and a vine of rapid, quick growth. In the early summer it produces yellow flowers, which by autumn have turned to bright, orange-colored fruits, with red markings. The foliage is elongated, very dark green. Extra strong plants, 25c. each; per doz., $2.50.

CINNAMON VINE (Hardy)

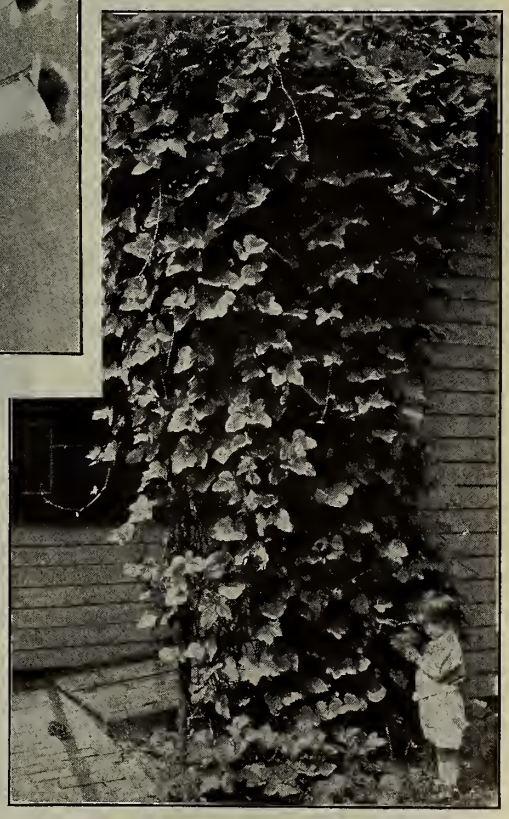
A very free growing climber, with small white flowers deliciously scented; makes a quick, dense shade. These can be mailed. Extra strong roots, 10c. each; per doz., $1.00; $7.00 per 100. Strong roots, 5c. each; per doz., 50c.; $3.00 per 100.

COBEA (Annual)

Scandens. A beautiful blue, cup-shaped flowering annual climber, very desirable for lattice covering, etc. Extra strong plants, 4 in. pots, 25c. each; per doz., $2.50.

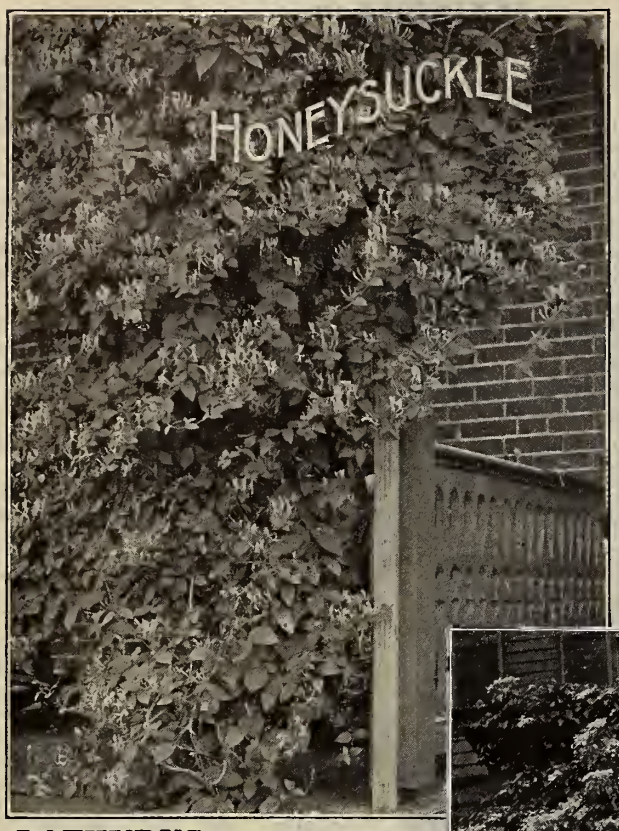
ENGLISH IVY (Hardy)

This is an invaluable plant for covering brick and stone walls and buildings. It rarely ever dies out and needs no attention. 4 in. pot plants, 25c. each; per doz., $2.50; $17.50 per 100. 6 in. pot plants, 50c each; doz., $5.00; $35.00 per 100.



Kudzu Vine (see page 172)

MICHELL'S CLIMBING PLANTS AND VINES



LATHYRUS (Hardy Sweet Pea)

This makes an elegant show, planted against trellis, lattice or individual posts. It is one of the very few vines which produces flower for cutting.

White Pearl. Glistening pure white; giant flower trusses which are twice the size of the ordinary variety. It flowers during most of the summer and lasts well into autumn. One of the best hardy climbing or pillar plants in commerce today. 30c. each; doz., $3.00.

Latifolius Pink Beauty. Brilliant rose.

Latifolius Albus. Pure white.

Extra strong plants of the above (except as noted), 15c. each; doz., $1.50.

LYCIUM (Matrimony Vine) (Hardy)

Barbarum. A dense growing climber, somewhat shrubby in nature. In late summer the small purple flowers are followed by a crop of red berries which remain until late winter. 25c. each; doz., $2.50.

Climbing Hydrangea (See page 173)

EUONYMUS (Hardy)

Radicans Variegata. While strictly speaking, this is a trailing or creeping plant; it is so well suited, to climb over stone walls, tree stumps and like places, we add it to our list here. It is of an evergreen nature and will be found exceedingly valuable for rock garden work. The foliage is small, variegated green and white. Slow growing, perfectly hardy; can be trimmed at will. 15c. each; doz., $1.50; 100, $10.00.

HOP VINE (Hardy)

Golden Leaved. Identical in growth and habit as the Japanese except for foliage, which is bright yellow. The green variety planted with this yields an attractive combination. 20c. each; doz., $2.00; 100, $12.50.

Japanese. A rapid grower, with dark green foliage, and bears a profusion of seed-pods suitable for many domestic purposes. Strong pot plants, 15c. each; doz., $1.50; $10.00 per 100.

HONEYSUCKLE (Hardy)

Chinese Evergreen (*Woodbine*). Red, yellow and white variegated flowers; very fragrant; blooms the entire season.

Halliana (*Hall's Honeysuckle*). Flowers pure white, turning to yellow; fragrant, hardy evergreen; flowers from June until frost.

Heckrothi. Deep red flowers with yellow throat; in bloom continuously; a beautiful contrast to the ordinary sorts.

Variegated (*Aurea Reticulata*). Foliage beautifully mottled yellow and green; flowers white and yellow.

Red Coral or Scarlet Trumpet. Bright red, trumpet shaped flowers. In bloom most of the summer. Extra strong plants, 30c. each; doz., $3.00.

Price of any of the above strong plants of Honeysuckle (except as noted), 25c. each; doz., $2.50; $18.00 per 100. We can supply extra strong plants of **Halliana** and **Chinese Evergreen** Honeysuckles. 50c. each; doz., $5.00.

JASMINES (Hardy)

Splendid for sheltered positions. They will winter outside as far north as New York, provided a little protection be given them.

Nudiflorum. Fragrant yellow flowers before the foliage makes its appearance. 25c. each; doz., $2.50.

Officinale. Pure white; very fragrant. 25c. each; doz., $2.50.

KUDZU VINE (Pueraria Thunbergiana) (Hardy)

See Illustration on page 171

It is often remarked, that this vine grows a foot a day, and those who have seen it, would believe that this has not been exaggerated. Makes a dense covering, exceedingly attractive. Towards the end of summer it produces insignificant rosy-purple flowers, resembling pea blossoms. Extra large plants, 30c. each; doz., $3.00; $20.00 per 100.

MOON VINES (Annuals, except where noted) (Ready April 15th)

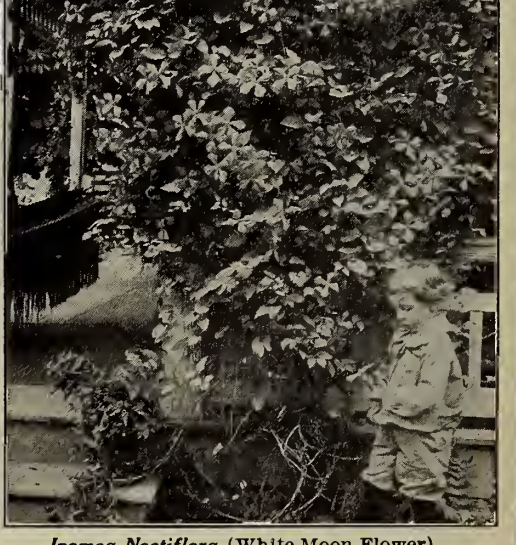
These favorite climbers should be planted by every one, who wants a quick growing vine. The Noctiflora (White) and Learii (Blue) types have large foliage and makes dense shade. All of them are suited for climbing wood and wire fences, lattice and trellis work and pillars. They should be more extensively used.

Learii (*Blue Dawn Flower*). Enormous blooms of intense violet shade, frequently 4 or more inches in diameter, producing at times as many as 300 flowers on a stalk. Imagine a beautiful blue Morning-Glory and multiply the size several times and you have a slight conception of the Blue Moon-vine. Planted in amongst white variety, the effect is charming. The Learii type blooms all day. Extra strong plants, 25c. each; doz.. $2.50.

Noctiflora. A pure white variety blooming toward evening and in the forenoon; the flowers are frequently 6 inches in diameter. The vines are not hardy, but on account of their great beauty, it pays to plant them each season. Extra strong plants, 25c. each; doz., $2.50; $17.50 per 100.

Paniculata. Beautiful rose-pink flowers, large in size. Extra strong plants, 25c. each; doz., $2.50.

Special Offer.—One each of the above Moon Vines for 90c.



Ipomea Noctiflora (White Moon Flower)

Plants can be best shipped via express or freight only. Parcel post shipments are generally not satisfactory. No Plants sent C. O. D. (ha)

MADEIRA OR MEXICAN VINE (Hardy)

The tubers if planted deep and protected during the winter are hardy. The leaf is very deep green, and grows very dense; the flower is very small, white in color. Strong roots, 5c. each; single roots mailed free; per doz., 40c. (by mail, 50c. doz.); $3.00 per 100.

PASSIFLORA or PASSION VINE (Annual)

Passion Vine

In our grandmothers' time this was the most important of vines, and could probably be found in most every garden where plants were grown. It is exceedingly attractive, both for foliage and flowers. Climbs best on a trellis and produces continuously from July until frost, richly colored flowers. The plants can be taken up in the fall, cut back and wintered over, if kept in a light cool place and watered occasionally.

Pfordii. This is probably the best of the Passion Vines; even real small plants produce flower. They are shaded rich blue, edged rose pink. Extra strong plants, 25c. each; doz., $2.50.

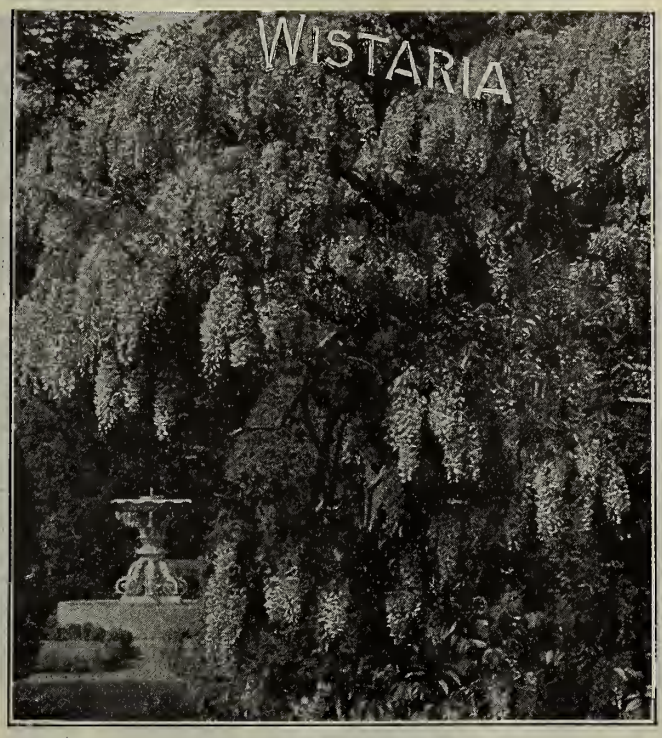
POLYGONUM (Hardy)

Auberti. Remarkably strong grower, which in a short time covers a large area, growing at times as much as 12 feet in one season. The white flowers are produced in great abundance on the terminals of the vine, in late summer and autumn. Extra strong plants, 75c. each; doz., $8.00.

Baldschuanicum. A valuable addition to the hardy climbers. This variety is a strong grower and somewhat shrubby in nature. From June until autumn it is covered with panicles of light pink flowers. Extra strong plants, 75c. each; doz., $7.50.

SCHIZOPHRAGMA (Climbing Hydrangea)

Hydrangeoides. In reality this is a very old variety of Climbers, having been introduced almost 50 years ago from Japan. Large white flower trusses somewhat resemble a Hydrangea and produce a remarkable display when in full bloom during July and August. It is adapted for clinging to any rough surface and particularly suited for twining about tree trunks. It is a vine that ought to be in every collection of climbers. Our stock of plants is of extra fine quality. 75c. each; per doz., $7.50.



WISTARIA (Hardy)

No plant, vine or shrub can equal the display made by the Wistaria. It flowers in the latitude of Philadelphia during May. A strong developed vine produces hundreds of flower panicles, while no foliage is visible until after the flower is faded. The graceful effect it produces is hard to describe, the blue variety being especially attractive. They thrive best in the sun, and with an application of cow manure once or twice a season they respond marvelously by an extra growth and an abundance of flowers.

Chinensis (*Chinese Wistaria*). Pale blue, somewhat fragrant. Strong plants, 50c. each; doz., $5.00. Extra strong plants, 6 to 7 years old. $1.25 each; doz., $12.50.

Chinensis Alba. A beautiful white flowering form of the above. Looks especially attractive when intermingled with the blue variety. Strong plants, 50c. each; per doz., $5.00. Extra strong plants, $1.00 each; per doz., $10.00.

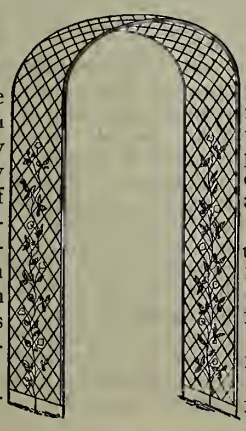
STANDARD OR TREE WISTARIA

Our grower in Europe has sent us a shipment of these in the Blue or Chinensis variety. The stems are about 3 feet high, with large heads. This type of Wistaria develops into a beautiful dwarf tree, which is umbrella-shaped. At times they have been known to produce 500 flower panicles; in fact, their beauty is so wonderful, when in bloom, that it is really hard to describe. Extra fine strong plants, $1.50 each.

TRELLIS WORK FOR CLIMBING VINES OF ALL KINDS

On page 211 we list a full line of wood and wire trellis, stock sizes. Arches and upright Wire Works are supplied to order promptly.

GALVANIZED WIRE ARCHES



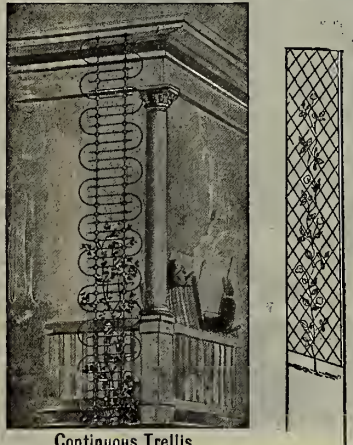
These can be furnished on short notice any height or any width. Made of extra heavy galvanized diamond mesh wire with strong frames to prevent sagging.

Price 20c. per square foot.

CONTINUOUS WIRE TRELLIS

Excellent for training vines of all kinds up porches, verandas, pergolas, etc. Thoroughly galvanized and well made.

Any length desired up to 150 running feet. 13 in. wide. Less than 150 ft. rolls, 13c. per ft. 13 in. wide, in roll lots, 150 ft., 10c. per ft. 19 in. wide, less than 150 ft. rolls, 15c. per ft. 19 in. wide, in roll lots, 150 ft. 12c. per ft.



Continuous Trellis

WIRE TRELLIS

Made to Order

We are able to have made, at short notice, special sizes of wire trellis, any length and any width, at 20c. per sq. ft.

Ivy Style Trellis Oval Trellis

Wooden Veranda Trellis

Azalea Mollis

Hardy Azaleas

Amoena. Dwarf bushy shrub; covered in April and May with masses of purplish-red double flowers, which last from 3 to 4 weeks. The foliage remains all winter, when it takes on a coppery-red shade. 12 in. diam. heads. $1.00 each; per doz., $10.00; $80.00 per 100.

Anthony Koster. A type of the Mollis variety, with exceptionally large flowers of a golden orange. The color is very bright and the sort is considered the best of the Mollis varieties; flowering in May; plants with 12 to 15 buds. $1.25 each; per doz., $12.00; $90.00 per 100.

Mollis. Of dwarf bush-like habit, with light green leaves. The flowers are as large as the Azaleas, usually seen in greenhouses. There are but three colors of it, yellow, orange and red; it blooms about the middle of May. When massed in a large bed they create a particularly beautiful spot; mixed colors. Plants, 15 to 18 inches. 75c. each; per doz., $7.50. $55.00 per 100.

Our stock in this Department is extra fine. In the majority of cases, specimens are so large that it is impracticable to mail them. Therefore we recommend shipping small lots by express, large numbers by freight. Flowering shrubs are all of a size to bloom the first season after planting. Shipping season April 1st to May 15th and October to December.

HARDY AZALEAS (*Continued*)

Hinodegiri. A much more brilliant variety than Amoena. Grows 2½ feet high and is literally smothered with masses of bright, fiery red single flowers in April and May. Strong plants, 12 inches diameter. $1.00 each; doz., $10.00; 100, $80.00.

Hinamayo. Delicate deep pink flowers. This looks well planted among the Amoena and Hinodegiri varieties. 8 to 10 inch; well-budded plants. $1.00 each; doz., $10.00. $80.00 per 100.

Japonica Alba. Late flowering, resembling somewhat the Greenhouse varieties. Pure white large flowers, very showy among bright colored flowering shrubbery. 12 to 15 inch plants. $1.25 each; doz., $12.50; $90.00 per 100.

J. C. Van Tol. A type of the Mollis variety, but much larger, flowering bright red; a fine contrast when planted with A. Koster variety; plants with 20 to 25 buds. $1.00 each; doz., $10.00; $80.00 per 100.

Yodogama. In May this variety is a mass of lavender pink; flowers very distinct; plants, with 12 to 15 buds. $1.00 each; doz., $10.00; $80.00 per 100.

Hardy Rhododendrons

No plants are more gorgeous or effective than these, even when not in flower the evergreen plant is attractive, the immense flower heads which appear in May almost cover the plant which increases in size and beauty each year.

They require good garden soil, which should be dug 30 to 36 inches deep and mixed with peat or leaf mould. It is advisable to protect with leaves or brush during winter. When Rhododendrons have finished blooming the old flower should be cut off; this ensures blooms the following season.

Album Elegans. Pure white, gigantic flower heads.
Caractacus. Crimson or blood red, a handsome shade.
Chas. Dickens. Red, a shade between light and dark.
Everestiana. Lavender, very delicate and of great beauty.
Fastuosum (*Double*). Lavender; very large flower heads.
Lady Gray Egerton. Blush white, very delicate.
Roseum Elegans. Rose pink, large flowers.
James MacIntosh. Scarlet; a rich glowing shade.

Price of any of the above, 18 to 24 inches high, with plenty of buds, $1.50 each; per doz., $15.00; $100.00 per 100.

We are prepared to quote prices on car lots of native Rhododendrons for large plantings.

Amygdalus (Flowering Almond)

Rubra Flore Pleno Nana. Erect, slender branches, which are covered in May with small, very double, fragrant, pink flowers. Strong plants, 1½ to 2 foot. 60c. each; doz., $6.00.

Andromeda (Lily of the Valley Shrub)

A suitable companion for planting as edging of Rhododendron and Hardy Azalea beds.

Japonica. Evergreen foliage with racemes of beautiful white flowers. Very hardy. Strong plants, 12 inches high. $1.00 each; doz., $10.00.

Altheas (Rose of Sharon)

These thrive almost anywhere, producing their bloom from July till September. The varieties listed below are the very best of this class of plants.

Alba Plena. Pure white; double.
Atropurpurea Plena. Double purple.
Coerulea Plena. Double blue.
Duchess de Brabant. Double; deep red.
Grandiflora Superba. Double blush with crimson center.
Totus Albus. Single; pure white.

Price of any of the above in strong plants, 2 to 3 feet high. 35c. each; per doz., $3.50; $25.00 per 100.

Azaleas (see page 174)

Berberis (Japanese Barberry)

Thunbergii. A good, hardy plant of low, dense growth for lawn or border. It is a brilliant light green, spring to winter. The slender branches are prickly with small thorns, and tend to make a defensive hedge that few animals will attempt to penetrate. In autumn the foliage is a bright crimson; when it falls, a profusion of scarlet berries, which remain throughout the winter, are revealed on the branches.

	Doz.	100	1000
1 to 1½ feet (plant 8 to 10 inches apart)	$1.75	$12.50	$100.00
1½ to 2 feet (plant 10 to 12 inches apart)	2.00	15.00	120.00
2 to 2½ feet (plant 12 inches apart)	4.00	27.50	200.00

Atropurpurea (*Purple Barberry*). Of erect growth, with purplish foliage. In the early spring it bears small yellow flowers and in the autumn with bright red berries, 2½ to 3 foot plants. 25c. each; per doz., $2.50; $18.00 per 100.

Buddleya (Butterfly Bush)

Variabilis Magnifica. Flowers continuously all season. The flower racemes are composed of many little blossoms in the shape and color of lilacs. This variety is entirely separate and distinct from Buddleya Veitchiana, which at times is referred to as "Butterfly Bush." Our trials of the two have shown "Magnifica" to be much superior. Strong plants, which will flower the first year, 25c. each; $2.50 per doz.

Calycanthus (Sweet Shrub or All Spice)

Floridus. Chocolate-colored double flowers, with a peculiar, agreeable odor. Blooms in June. A common shrub in old gardens. 30c. each; per doz., $3.00.

Cytisus (Golden Chain)

Laburnum. A large shrub with shining green leaves and racemes of Wistaria-like yellow flowers, which appear in early summer, 3 to 4 ft. plants. 50c. each; doz., $5.00.

Clethra (Sweet Pepper Bush)

Alnifolia. Of low and dense growth; has numerous spikes of small white fragrant flowers appearing in July; desirable for moist places or along water edges. 30c. each; doz., $3.00.

Cercis (Judas or Red Bud)

Canadensis. A tall slender growing shrub, developing eventually into a large tree. Very early in the spring the leafless branches are covered with delicate deep pink flowers. When in full bloom, they make a gorgeous show. 3 to 4 foot plants, 60c. each; per doz., $6.00.

Chionanthus (White Fringe)

Virginica. In May and June the tree is covered with long, fluffy panicles of fine white bloom. Strong plants, 2 to 3 feet, 35c. each; per doz., $3.50.

Cornus (Dogwood)

This plant is so well known, that it hardly needs description. The flowers appear before the foliage in May. In the autumn takes on a rich crimson shade.

Florida (White Flowered Dogwood). Strong plants, 2 feet, 35c. each; doz., $3.50.
Rubra (Pink Flowered Dogwood). 2 foot. 80c. ea.; doz., $8.00.

Exochorda (Pearl Bush)

Grandiflora. A profuse bloomer in the early summer. Flowers star shaped, sometimes an inch in diameter; pure white. 2 to 3 feet. 35c. each; per doz., $3.50.

Eleagnus (Japanese Oleaster)

Longipes. A desirable nearly evergreen shrub of medium height, with light green foliage, which is silvered on the under surface. The orange-scarlet colored berries are very attractive during late summer. Each, 30c.; $3.00 doz.

Erica (Heath)

This is a species of Heather, which flowers in July, and is a mass of bloom at that time.

Vulgaris. Rosy red flowers.
" **Alba.** White.

Strong plants of the above, 35c. each; doz., $3.50.

Deutzia

The Deutzias are among the most useful of our summer flowering shrubs. For planting either individually or in masses they are very attractive. They can be used for cut flowers.

Candidissima (*Fl. pl.*). Abundant racemes of double, pure white flowers in June, luxuriant foliage and fine habit. 2 to 3 foot plants.
Crenata (*Fl. pl.*). Double flowers white, tinged with rose, blooming in June. 2 to 3 feet. Plants, 18 to 24 inches.
Gracilis. Of dwarf, bushy habit. White flower.
Lemoinei. Very dwarf and compact growing, with very large flowers of purest white. One of the best of the Deutzias. Plants, 12 to 18 inches.

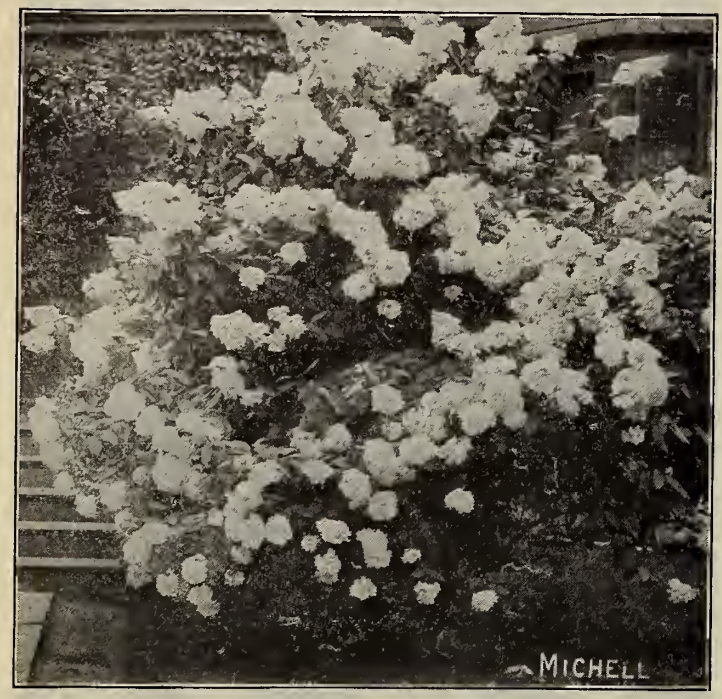
Price of the above (except where noted), 30c. each; doz., $3.00.

Forsythia (Golden Bells)

Bright golden yellow, star-shaped flowers burst into bloom just as winter is leaving and while the bush is otherwise bare. In fact, when in flower, nothing else but bloom can be seen.

Fortunei. Erect growing with dark green foliage; strong plants.
Suspensa. Of graceful drooping habit, can also be trained for covering arches and trellis work. Plants, 2 to 3 feet.
Viridissima. Of erect growth and spreading branches, narrow glossy foliage; one of the first to bloom. 2 to 3 feet plants.

Price of any of the above Forsythias, 30c. each; doz., $3.00.



Hydrangea Paniculata Grandiflora

Hydrangea

Arborescens Grandiflora Alba (*Snowball Hydrangea*). The snow-white blooms are of the largest size. Coming into flower early in June and lasting until late August. Is more hardy than any other sorts and especially suited to plant in shaded places. 30c. each; $3.00 doz.

Paniculata Grandiflora. The large panicles of white flowers are at their best during August; later they take on a reddish cast. These plants look fine used as single specimens on the lawn or grouped in large beds. Strong bush form plants, 30c. each; per doz., $3.00. Extra strong stock, 50c. each; per doz., $5.00.

Paniculata Grandiflora (*Standard or Tree Shaped*). These are fine, planted as individual specimens in the lawn or in the center of beds, containing other plants. Stems, 2 to 2½ feet long with shapely heads. 75c. each; per doz., $8.00.

Hydrangea (Otaksa) (See page 137)

Kalmia (Mountain Laurel)

For planting in conjunction with Rhododendrons and Evergreens, the Laurel fills an important part. Foliage is evergreen and about May and June, according to locality, the plant is a mass of flowerheads, resembling somewhat the Rhododendron.

Latifolia. A delicate pink, changing to white as they expand. Grows best in woodland or under trees. Strong plants, 18 to 24 inches, 75c. each; per doz., $7.50; $50.00 per 100.

Kerria (Globe Flower or Corchorus)

Shrubs with light green branches. Does well in any soil, in shaded or open locations flowering in May and June.

Double-flowered. Of medium size; double yellow flowers. Plants, 2 to 3 feet high. 35c. each; per doz., $3.50.

Lonicera (Honeysuckle)

Morrowi (*Japanese Bush Honeysuckle*). An open bush with irregular branches. The foliage is dark green with small white flowers, which appear during May. During the late summer and early autumn the plant is covered with bright red berries. Plants, 2 to 3 feet.

Tartarica (*Tartarian Honeysuckle*). An old-fashioned useful shrub with small fragrant flowers, some pink, others crimson and blush. These are followed by attractive reddish-orange berries. Plants, 2 to 3 feet.

Price of the above Loniceras 30c. each; doz., $3.00.

Philadelphus (Mock Orange or Orange Blossoms)

A shrub that can always be depended upon to give splendid satisfaction. No insects bother it, and in May and June, the bushes are literally covered with flowers.

Coronarius. Handsome foliage and beautiful white flowers, quite fragrant. Plants, 2 to 3 feet.

Grandiflorum. A tall growing white variety, robust grower. Plants, 2 to 3 feet. 25c. each; doz., $2.50.

Lilac (Syringa) (See illustration on page 177)

Description of this is hardly necessary to be given, as this is favorably known to most everyone

Pot-Grown Plants Suitable for Forcing.

Chas. X. Large reddish purple with heavy trusses.

Marie Le Grey. Single, pure white, of wonderful fragrance.

Mme. Casimir Perier. Double, pure white, with large individual flowers of exquisite odor; grand for cutting.

President Grevy. Large panicles; double blue flowers; very fine.

Souvenir de Louis Spaeth. Deep purplish-red flowers in compact trusses.

Price of any of the above pot-grown Lilacs in extra strong fine plants, $1.00 each; per doz., $11.00.

Field-Grown Plants. (See above for description.)

Charles X, Marie Le Grey, Mme. Casimir Perier, President Grevy, Souvenir de Louis Spaeth.

Extra strong plants of the above, field grown, 50c. each; doz., $5.50.

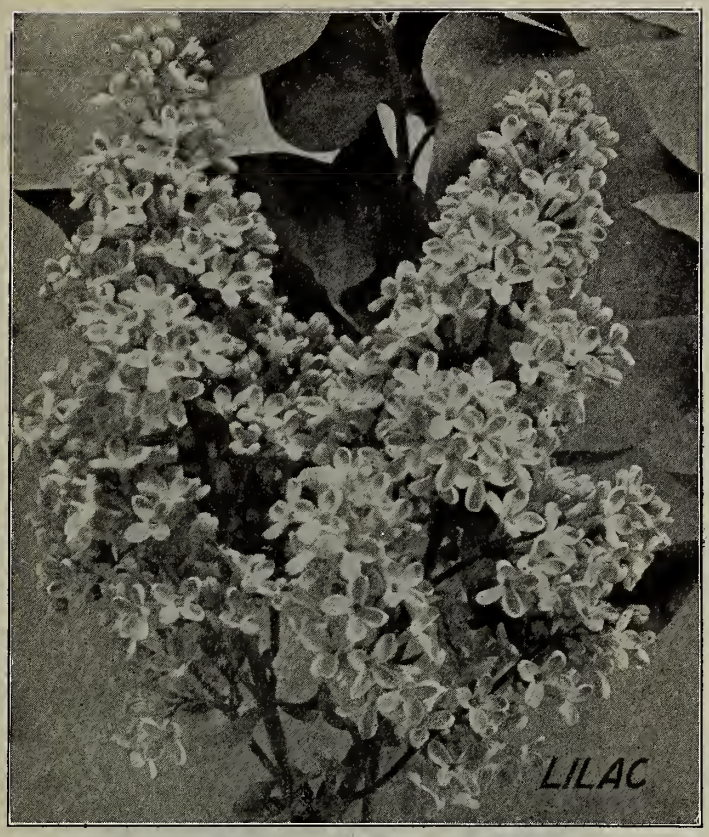
Vulgaris. Common purple, sweet-scented Lilac. 30c. each; doz., $3.25.

Vulgaris Alba. Pure white type of the above, but more fragrant. 30c. each; doz., $3.25.

White Persian. Very early flowering; pure white, sweet scented. 40c. each; doz., $4.00.

Persian. Early purple flowering; very profuse. 40c. each; doz., $4.00.

Strong plants of the above, 18 to 24 inches high, at the prices noted.



For List of Lilacs see opposite page

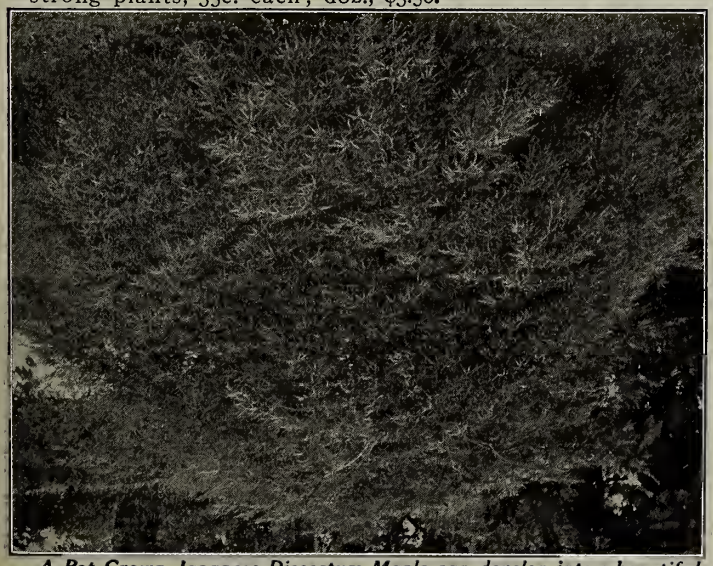
Prunus

Pissardi (*Purple-leaved Plum*). A tree-like shrub with dark purple leaves that keep their lustrous colored foliage right up till frost, having small pinkish white flowers in early spring. Plants, 4 to 5 feet. 35c. each; doz., $3.50.

Triloba (*Double-flowering Plum*). Double pink flowers in April. The plants are 2 to 3 feet high. 40c. each; doz., $4.00.

Pyrus

Japonicus (*Japan Quince*). This shrub is a beautiful sight, when covered in the early spring with cherry-red flowers about the size of an apple blossom. After the flowers fall, many of them set fruit, which is edible, making the finest Quince Jelly for preserves. This plant can also be used for hedge effects, and on account of the thorny nature it is a good barrier against cats, dogs and other animals. Extra strong plants, 35c. each; doz., $3.50.



A Pot Grown Japanese Dissectum Maple can develop into a beautiful specimen like this for the lawn.

Maples (Japanese) (Acer Japonicum)

Hardly anything in plants or shrubs is more attractive than these, especially in the early spring, just after they burst into foliage. For planting in groups, in shaded positions or even in the full sun, they are especially adapted, or as individual specimens on the lawn or in borders they are fine.

Japonicum Atropurpureum. Red leaved Japan Maple. Very fine foliage, which becomes more intense red, as the season advances, at times these revert again in the growing season, but as the plants become older, the fixed color of red becomes more permanent. Extra strong plants, in pots, 18 to 24 inches high, $1.25 each.

Japonicum Dissectum. Dark red, very fine cut fernlike foliage; the plants have a low, spreading habit. Strong plants, in pots, 12 to 18 inches, $1.25 each.

Aureum. A delicate shade of greenish yellow, which varies somewhat during the season. This, massed amongst others with dark foliage is a treat for the eye. Extra strong plants, in pots, 12 to 18 inches, $1.25 each.

Rhus (Purple Fringe or Smoke Tree)

Cotinus. In July this is made very attractive, because of the light, airy or mistlike panicles of dark purplish blooms. Strong plants, 2 to 3 feet, 35c. each; doz., $3.50.

Rhododendrons (See page 174)

Spirea Prunifolia (Bridal Wreath)

Spirea

This group embraces a wide variety, so much so that frequently one might suppose that the plants belong to a different family, from this it can be seen that a collection of them will make an effective variety.

Anthony Waterer. Of dwarf, dense habit, bearing a profusion of crimson flowers. 2 to 3 feet, 30c. each; per doz., $3.00.

Opulifolia Aurea. Bears an abundance of fragrant white flowers in clusters during June; the leaves are golden in spring but darken as the season advances. Plants, 2 to 3 feet, 30c. each; doz., $3.00.

Prunifolia (*Bridal Wreath*). The pretty double white flowers are all along the almost leafless stem about May 1st just as the leaves are budding. Plants, 2 to 3 feet, 30c. each; per doz., $3.00.

Van Houttei. This handsome species is the most desirable. The exceedingly beautiful white flowers appear in May in great profusion, a strong, robust grower. It is of compact habit and a beautiful ornament for the lawn. Plants, 2 to 3 feet, 30c. each; per doz., $3.00.

Thunbergii. A graceful bush, bearing in April and May innumerable small, white flowers with dainty foliage. Plants, 2 to 3 feet, 35c. each; doz., $3.50.

Reevesii Flore Plena. Double flowers in May and June, which last several weeks longer than most other varieties, making one of the best flowering shrubs. Pure white, 2 to 3 feet, 30c. each; doz., $3.00.

Sambucus

Aurea (*Golden Elder*). Attractive by its golden foliage and desirable to mix with other shrubs to relieve the sombreness of green. 30c. each; doz., $3.00.

Symphoricarpus

Racemosus (*Snowberry*). Small red flowers are succeeded by many white berries, remaining on the plant through half the winter. Plants, 2 to 3 feet, 30c. each; doz., $3.00.

Staphylea (Bladder Nut)

Colchica. A tall growing shrub, flowering in May; the pure white flowers are very attractive and fragrant, produced in clusters. 35c. each; doz., $3.50.

Tamarix

Tall growing shrubs of irregular shape, with fine feathery foliage. The branches are covered with small delicate flowers, and even, when not in bloom, the bush makes a pretty sight.

Africana. Pink flowers, blooming in May.

Hispida Aestivalis. Pink flowers, borne in July and August, when other shrubs are out of bloom.

Indica. A strong growing variety, yielding delicate pink flowers in the late summer.

Price of any of the above Tamarix, extra strong plants, 30c. each; doz., $3.00.

Viburnum

Carlesi. A new Japanese variety of a compact bushy habit, **bearing sweet-scented white flowers,** somewhat after the style of a Bouvardia. This is a splendid addition to the Viburnums on account of its great beauty and its exquisite odor. It should be included in every collection of flowering shrubs. 75c. each; doz., $8.00.

Plicatum (*Japanese Snowball*). A desirable shrub. Should be in every garden or on the lawn; perfectly hardy, blooming in June. *Extra fine plants,* 2 to 3 feet, 35c. each; per doz., $3.50.

Viburnum Opulus Sterilis (*Guilder Rose or Snowball*). Of spreading habit, bearing flat clusters of single white flowers, which afterwards produce brilliant red berries, which hang to the plant all winter; very decorative. Strong plants, 2 to 3 feet, each 30c.; $3.00 per doz.

Vitex (Chaste Tree)

Agnus Castus. Attractive, graceful shrub, growing about 6 feet high. Towards end of summer it produces spikes of lilac shaded flowers. 30c. each; doz., $3.00.

Weigelia

Abel Carriere. Blossoms are of a bright rose; one of the best; extra strong. 35c. each; doz., $3.50.

Amabilis. A pink flowering variety, in bloom during June and July; extra strong plants, 2 to 3 feet, 30c. each; doz., $3.00.

Candida. Flowers abundantly in June and July, additional bloom is also shown during the autumn months. The tube-shaped flowers are pure white; fine for cutting. Plants, 2 to 3 feet, 30c. each; doz., $3.00.

Eva Rathke. Of erect form and vigorous habit. The deep carmine-red flowers are the best of the red-flowering sorts. 30c. each; per doz., $3.00.

Rosea. Fine rose-colored flowers, considered one of the finest of flowering shrubs. Blossoms in May. Plants, 2 to 3 feet, 30c. each; per doz., $3.00.

Sessifolia syn. lutea. Of strong growth, with clusters of yellow flowers; very hardy. Desirable on account of its attractive foliage, which turns a reddish brown. 50c. each; per doz., $5.00.

SPECIAL OFFER
COLLECTION OF HARDY FLOWERING SHRUBS

For those who are uncertain as to the proper selection of desirable shrubs we offer in our selection:

Collection No. 1. 6 flowering shrubs, 6 choice sorts, our selection of varieties, total $1.50.

Collection No. 2. 12 flowering shrubs, 12 choice sorts, our selection of varieties, total $2.75.

These collections of Shrubs **cannot** be sent by parcel post, shipment by express or freight enables to send larger plants.

Standard Bay Tree

EVERGREENS IN TUBS (Ready after April 15th)

These can be safely transplanted at any time during spring, summer or autumn months; they are grown in pots and thoroughly established. For window or porch box and massing effects in beds or borders, they are quite an attraction. For window garden effects, either in summer or winter, they make a city dwelling look cozy and inviting. We have listed the most popular kinds, in order to give customers, who desire to use these, a variety to select from.

	Each
Abies Concolor (Colorado Fir). 18 to 24 in.	$1.50
Abies Nordmanniana (Nordman's Fir). 18 to 24 in.	1.50
Abies Pinsapo Glauca (Spanish Fir). 12 to 18 in.	1.50
Juniperus Pfitzeriana. 12 to 18 in.	1.25
Juniperus Virginica Glauca (Blue Cedar). 18 to 24 in.	1.50
Juniperus Japonica Aurea (Golden Japan Cedar). 12 to 18 in.	1.50
Picea Alcockiana (Alcock's Spruce). 18 to 24 in.	1.50
" **Excelsa** (Norway Spruce). 18 to 24 in.	1.50
" **Inversa** (Weeping Spruce). 18 to 24 in.	1.50
" **Pungens Glauca Kosteri Compacta** (Blue Spruce). 12 to 15 in.	1.50
18 to 24 in.	2.50
24 to 30 in.	4.00
Retinospora Pisifera Filifera. 18 to 24 in.	1.75
" " **Aurea.** 18 to 24 in.	1.75
" " **Plumosa Aurea** (Golden Japan Cypress). 18 to 24 in.	1.50
Thuja Orientalis Aurea (Golden Chinese Arbor Vitae). 18 to 24 in.	2.00
Thuja Lutea (Golden Arbor Vitae). 18 to 24 in.	1.25
Thuja Standishii (Arbor Vitae). 15 to 18 in.	1.25
Taxus Cuspidata Brevifolia (Yew). 12 to 18 in.	1.75

Picea Excelsa (Norway Spruce)

BAY TREES (Laurus Nobilis) (Ready after Apr. 15)

We have a limited number of choice Standard Bays on hand that can be used to advantage in decorating gardens. These arrived from Belgium this spring and are in extra fine condition. Our supply is confined to the standard or tall shaped plants as per illustration. Plants are grown and established in tubs. Any of the following will make handsome effects on the piazza, on the lawn or under pergolas.

Standard or Ball-Shaped.	Each
24 inch stem, 22 to 24 inches diameter	$8.00
45 inch stem, 24 to 26 inches diameter	9.00
45 inch stem, 32 to 34 inches diameter	15.00
38 inch stem, 38 to 42 inches diameter	22.00

Pyramidal Box

Standard Privet

STANDARD PRIVET TREES

These should prove to be in great demand, as they resemble from the distance, when in foliage, a Bay Tree or Box Tree. The stems are about 4 feet high, the crowns 18 inches high by 15 inches in diameter. With an occasional shearing or trimming during the first season, the heads can be shaped perfectly. The plants, when in foliage, which is from May until December, are a rich deep green, the same as a Privet Hedge. The plants, when received, should be set out, where they are to remain permanently; as they are perfectly hardy, no protection of any kind is necessary. In the early spring the plants are dormant, but break into foliage about May.

Shipment is made in strong wooden tubs, and should it be desired to use the trees on the porch or on long walks, they can be left in the tubs, in which event, however, care should be taken to water them liberally in dry weather.

Price, $2.00 each; 2 for $3.75; 6 for $11.00; $21.00 per dozen.

BOXWOOD (Ready after April 15th)

These are fine for planting out as individual specimens in the lawn or along paths and drives. We have imported a large number of these desirable plants in pyramidal form and in natural or untrimmed state. The last named can be used for hedge effects, as individual specimens in porch or window boxes.

Pyramidal Shaped Boxwood (in Tubs).

2½ ft. high.each $2.00	4 ft. high...each $6.00
3 ft. high.each 3.00	5 ft. high...each 9.00
3½ ft. high.each 4.50	

Bush Shaped Untrimmed Boxwood.

10 inches high, 40c. each; dozen, $4.00.
12 inches high, 50c. each; dozen, 5.00.
15 inches high, 75c. each; dozen, 7.50.
18 inches high, $1.00 each; dozen, 10.00.
24 inches high, 1.75 each; dozen, 18.00.

Untrimmed Boxwood

BOXWOOD (For Edging) (see page 180)

MICHELL'S CHOICE THRIFTY HEDGE PLANTS

A Hedge of Berberis Thunbergii—Nothing in the Hedge Plant Line Equals it for Grace and Beauty

BERBERIS THUNBERGII

(Japanese Barberry)

A good, hardy plant of low dense growth. There is an air of grace and refinement to the Barberry Bush, which is not embodied in any other hedge plant. It is a brilliant light green from early spring to winter. It has a manner of growth which does not give it the stiff, cold appearance which many other hedge plants have. It should really be regarded as a shrub, as it can be planted individually in lawn or border. The slender branches are prickly with small thorns, and tend to make a defensive hedge that few animals will attempt to penetrate. In autumn the foliage is a bright crimson; when it falls a profusion of scarlet berries, which remain throughout the winter, are revealed on the branches.

Price of Berberis

	Doz.	100	1000
1 to 1½ ft.	$1.75	$12.50	$100.00
1½ to 2 ft.	2.00	15.00	120.00
2 to 2½ ft.	4.00	27.50	200.00

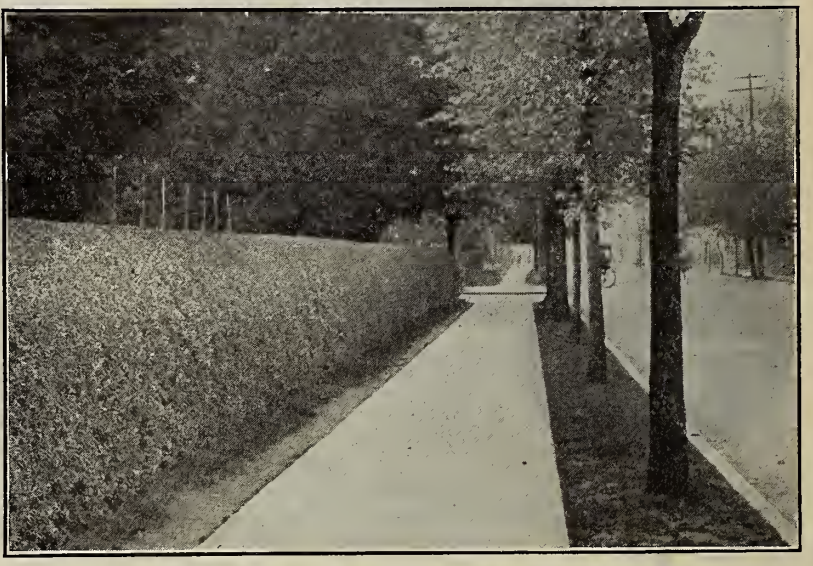
CALIFORNIA PRIVET

Exceedingly beautiful; leaves deep green, bright and very glossy. Especially adapted for hedges at the seashore; easily transplanted. Unlike a fence which needs painting, repairing, etc., and then never looks well. This hedge is no further expense after planted, and it adds dignity and charm to any home, and increases the value of real estate. Being absolutely hardy, it increases in its beauty with each successive year, and the possibilities are amply displayed at some of the model suburban home grounds in and around Philadelphia. Privet is somewhat of an Evergreen nature and looks attractive until real winter sets in. To establish a good hedge, the proper foundation is necessary. The trench should be thoroughly manured, and received in addition a liberal application of Michell's Pure Bone Meal and both worked in with a spade. Plants should be set 12 inches apart in double rows, in ziz-zag fashion, so that the plants are diagonally opposite each other, this practically places them 6 inches apart, which is desirable to get a quick dense growth. Plant from October 1st to November 15th and from March 15th to May 15th. Ask for our special free circular on California Privet.

Height	Doz.	100	1000
1-yr.-old, 18 to 24 in., 3 to 4 branches..	$0.60	$3.00	$25.00
2-yr.-old, 24 to 30 in., 5 to 8 branches..	.75	4.00	37.50
2-yr.-old, 30 to 36 in., 8 to 10 branches..	1.00	5.00	45.00

STANDARD OR TREE-SHAPED PRIVET

(*See page 179*)



A Privet Hedge is Much More Attractive than the Best Fence

GOLDEN or VARIEGATED LEAVED PRIVET

Like the California variety, but each leaf is margined and blotched golden yellow, giving it, from a distance, a striking appearance. It is quite new and the stock is limited, when available it will become very popular, we recommend it especially for placing among shrubbery or for planting on the lawn, the contrast between the grass and golden foliage is beautiful.

Bushy Plants, 18 to 24 in. high, 15c. each; doz., $1.50; 100, $10.00.

BOXWOOD **(Buxus suffruticosa. For Edging)**

In Europe the Boxwood edging plays a very conspicuous part in every garden. There is something about it which adds a homelike feeling to the surroundings. At times, especially in the morning, or after a rain, it seems to permeate the air with a distinct, pleasant odor. A planting lasts a lifetime. Many Boxwood enclosures, planted a hundred years ago, are in existence to-day. It grows rather bushy, instead of in height. It should be set about 4 inches apart and trimmed to shape according to its growth.

Strong Plants, 4 to 6 inches high, $1.00 per doz.; per 100, $6.00; $50.00 per 1000. See also page 179 for other Boxbush.

Boxwood Edging Adds to a Garden Charm and Beauty That Cannot be Obtained With Any Other Plant

This stock is produced for us on contract by a reliable grower and customers will find it of exceptional value. Prices for large quantities quoted on application.

Note.—Stock on this page cannot be sent parcel post. Shipped by express or freight only at buyer's expense.

SHADE and ORNAMENTAL TREES

Ash, Mountain. 3 to 4 ft., $1.00 each; 4 to 5 ft., $1.25 each.
" **Flowering.** 8 to 10 ft., $1.25 each.
Beech, American. 5 to 6 ft., $1.75 each.
" **Cut Leaved.** 2 to 3 ft., $1.75 each; 3 to 4 ft., $2.50.
" **Purple.** 3 to 4 ft., $1.25; 4 to 5 ft., $2.50; 5 to 6 ft., $3.00.
Birch, Cut Leaved. White bark. 8 to 10 ft., $2.00.
" **Purple Leaved.** 4 to 5 ft., $1.00; 6 to 8 ft., $2.00.
" **Young's Weeping.** 4 to 5 ft., $2.00. 5 to 6 ft., $2.50.
Buttonwood (*Oriental Plane*). 8 to 10 ft., $1.50; 10 to 12 ft., $2.00.
Catalpa (*Umbrella Tree*). 1-year old heads, 5 to 7 ft. tall, $1.25; 5 to 7 ft. tall, 2-year-old heads, $2.50 each; 6 to 8 ft. specimen, 4-year-old heads, $6.00.
Dogwood. See shrubbery pages.
Elm, American. 8 to 10 ft., $1.25; 10 to 12 ft., $2.25.
" **Weeping.** 6 to 8 ft., 4-year heads, $3.00.
Ginkgo (*Maidenhair Tree*). 5 to 6 ft., 75c.; 6 to 8 ft., $1.00; 8 to 10 ft., $2.00.
Holly, American. 2 to 3 ft., 75c.; 3 to 4 ft., $1.25.
Horse Chestnut, White Flowering. 6 to 8 ft., $1.25; 8 to 10 ft., $2.00.
Horse Chestnut, Red Flowering. 4 to 5 ft., $1.00; 5 to 6 ft., $1.25.
Linden, European. 8 to 10 ft., $1.25; 10 to 12 ft., $2.00.
" **American.** 6 to 8 ft., $1.25; 8 to 10 ft., $2.00; 10 to 12 ft., $2.50.
Magnolia, Conspicua. White. 2 to 3 ft., $1.75; 3 to 4 ft., $2.50.
" **Grandiflora.** White. 1 to 1½ ft., $1.25; 1½ to 2 ft., $2.50.
Magnolia, Soulangeana. Purple and white. 2 to 3 ft., $1.25; 3 to 4 ft., $2.00.
Maple, Japanese. (See page 177.)
" **Norway.** 8 to 10 ft., $1.25; 10 to 12 ft., $2.00.
" **Silver.** 8 to 10 ft., $1.25; 10 to 12 ft., $1.75.
" **Schwedler's.** Purple leaved. 6 to 8 ft., $1.75; 8 to 10 ft., $2.50.
Maple, Sycamore. 8 to 10 ft., $1.50; 10 to 12 ft., $1.75.
" **Scarlet** or **Red.** 8 to 10 ft., $1.50.
" **Sugar** or **Rock.** 8 to 10 ft., $1.50; 10 to 12 ft., $2.00.
Mulberry, Teas' Weeping. 1-year-old heads, $1.50; 2-year-old heads, $2.50.
Oak, Scarlet. 5 to 6 ft., $1.25; 7 to 8 ft., $2.00.
" **Pin Oak.** 8 to 10 ft., $2.00; 10 to 12 ft., $2.50.
Paulownia (*Empress Tree*). 4 to 5 ft., $1.50; 5 to 6 ft., $2.00.
Plane. See Buttonwood.
Poplar, Carolina or **Cottonwood.** 8 to 10 ft., $1.00; 10 to 12 ft., $1.50.
Poplar, Lombardy. 8 to 10 ft., $1.00; 10 to 12 ft., $1.50.
Tulip Tree. 5 to 6 ft., $1.00; 6 to 8 ft., $1.25.
Willow, Weeping. 8 to 10 ft., $1.25; 10 to 12 ft., $2.00.

We can also furnish all other varieties of Shade and Ornamental Trees.

CHOICE EVERGREENS

A few of these or even a quantity produce an air of refinement around the home grounds that can't be duplicated by any other plant. The one fact alone, which makes them attractive, is, they are green all year, winter and summer. Under extreme exposure we recommend protecting new plantings with straw or by some other method the first few winters.

Arbor Vitae (*Thuja*) **American.** 2 to 3 ft., 75c.; 3 to 4 ft., $1.25.
" " **Aurea Nana.** Golden yellow. 1 ft., $1.25; 2 to 2½ ft., $2.50.

Colorado Spruce

EVERGREENS—*Continued*

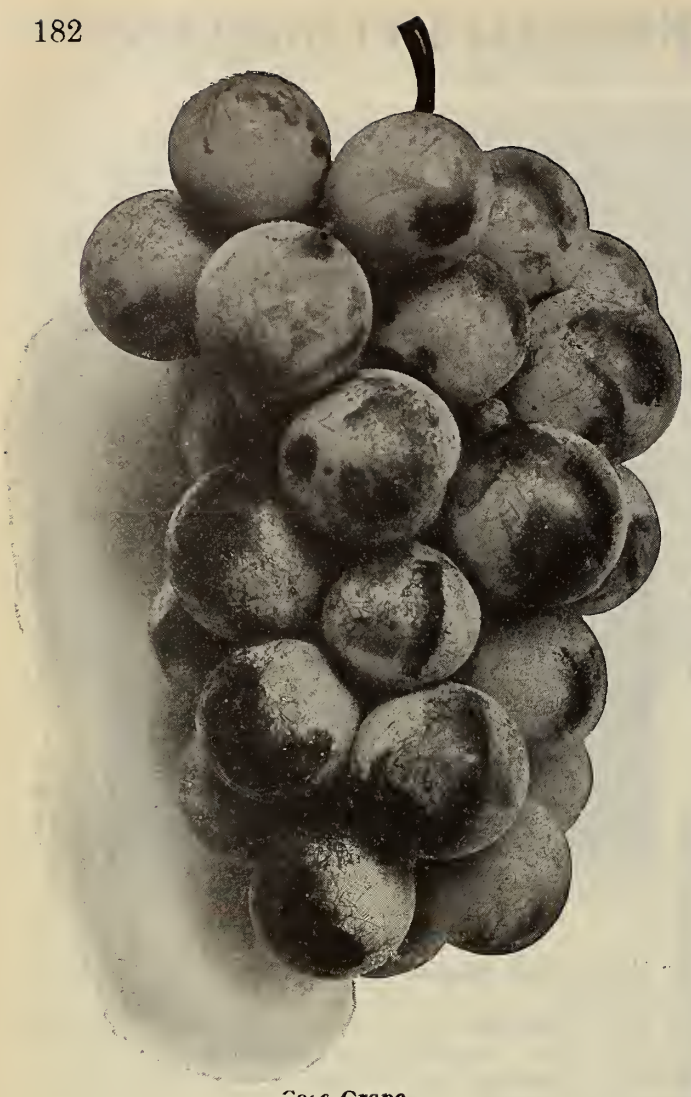
Arbor Vitae, Globe Shaped. 10 to 12 inches, 75c.; 12 to 14 inches, $1.00.
Arbor Vitae Pyramidal. 18 to 24 inches, 75c.; 2 to 3 ft., $1.00.
Cedar (*Mt. Atlas*). 1 to 2 ft., $1.25; 2 to 3 ft., $2.50.
Cryptomeria, Japanese. 3½ ft., $3.50.
Cypress (Retinospora).
" **Obtusa Aurea.** Yellow. 12 to 18 inches, $2.50.
" **Pisifera.** Soft green. 1 to 2 ft., $1.00; 2 to 3 ft., $2.00.
" **Plumosa.** Feathery light green. 12 to 18 inches, $1.00; 2 to 3 ft., $2.00.
Cypress Plumosa Aurea. Yellow. 12 to 18 inches, $1.00; 2 to 3 ft., $2.00.
Fir, Balsam. 3 to 4 ft., $2.00 each; 4 to 5 ft., $3.00 each.
" **Colorado Silver.** 1 to 2 ft., $2.00; 2 to 3 ft., $3.00.
" **Nordman's.** 1 to 2 ft., $1.25; 2 to 3 ft., $3.00.
Juniper, Irish. 1 to 2 ft., 35c.; 2 to 3 ft., 75c.
" **Golden Japan.** 10 to 12 inches, $1.25.
" **Japanese.** 1 to 2 ft., $1.00; 2 to 3 ft., $2.00.
" **Prostrata.** Spreading variety. 1½ ft., $2.00; 2 to 2½ ft., $2.50.
Pine, Austrian. 2 to 3 ft., $1.50; 3 to 4 ft., $3.00.
" **Scotch.** 2 to 3 ft., $1.25; 3 to 4 ft., $2.00.
" **White.** 1 to 2 ft., 75c.; 2 to 3 ft., $1.25.
Spruce, White. 2 to 3 ft., $1.50; 3 to 4 ft., $3.00.
" **Hemlock.** 1 to 1½ ft., 50c.; 2 to 3 ft., $1.25; 3 to 4 ft., $2.50.
Spruce, Norway. 2 to 2½ ft., 75c.; 2½ to 3 ft., $1.00.
" **Koster's Blue.** 1 to 1½ ft., $2.00; 1½ to 2 ft., $3.00.
" **Oriental.** 1 to 1½ ft., $1.25; 2 to 3 ft., $2.50.
" **Colorado Blue.** 1 ft., $1.25; 2 ft., $2.50; 3 ft., $4.00.
" **Douglas.** Dark green. 2 to 3 ft., $2.00; 3 to 4 ft., $3.00.
Yew, Drupacea. Light green. 2 to 3 ft., $3.50.
" **Fortunei.** Dark green. 2 to 3 ft., $3.50.

We can also furnish other Evergreens in all sizes.

Note.—Prices include all packing charges.

MICHELL'S

NEW VARIETIES OF POPULAR FRUITS



Caco Grape

CACO GRAPE (A cross between Concord and Catawba)

The most delicious of all Grapes—perfectly hardy, has been pronounced by America's most expert grape growers *to equal in high quality and melting texture* the finest varieties grown under glass. When one considers the price of the greenhouse product and realizes that the wonderful Caco can be grown in the back yard, almost without attention, the force of the above statement is apparent.

The large berry is wine-red. Bunch of good size, compact and of good form. Ripens ten days to two weeks in advance of Concord; rich in sugar, excellent in flavor. Vine a very strong vigorous grower, healthy and prolific.

Fruit for past two years sold in open market by the crate at more than double the price of any other variety.

Awarded a medal by the American Institute of New York; the highest honor ever conferred a variety of fruit by this (time honored) institution. We cannot recommend the Caco too highly.

Very strong vines, 2 years, each, 50c.; dozen, $5.00; 100, $35.00. (Parcel Post Weight, 1 lb. each).

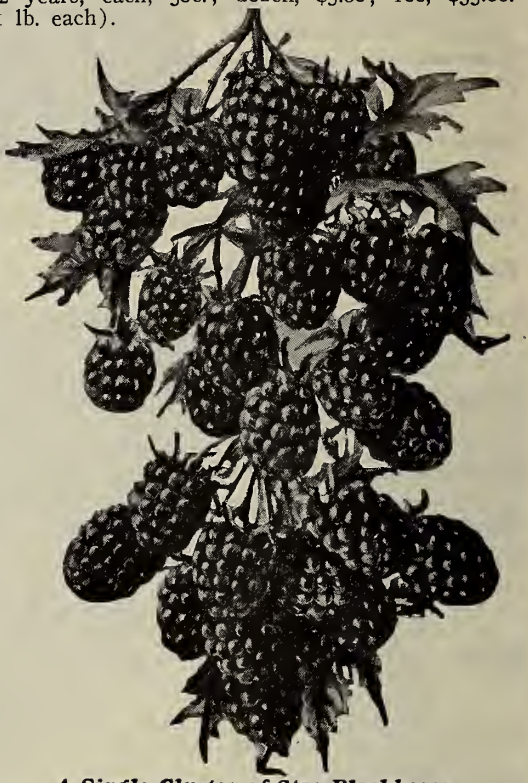
STAR BLACKBERRY

Imagine picking great clusters of giant sized Blackberries from canes that resemble grape vines. This is what you can do if you plant the Star Blackberry. The yield is so great that over eighty quarts of berries have been picked from a single plant of it in one season.

Train to a stake or trellis or over an arbor as grapes are grown—and give them plenty of room.

Berries large, of attractive appearance and rich, sprightly and luscious quality. They keep in good condition for a long time and can be safely shipped almost any distance. The ideal berry for the home garden. Transplanted plants, which should bear this year, each, 20c.; dozen, $2.00; 100, $12.50.

(Parcel Post Weight, each, 1 lb.; 5 lbs. per doz.).



A Single Cluster of Star Blackberry

NEW EVERBEARING RASPBERRY "RANERE"

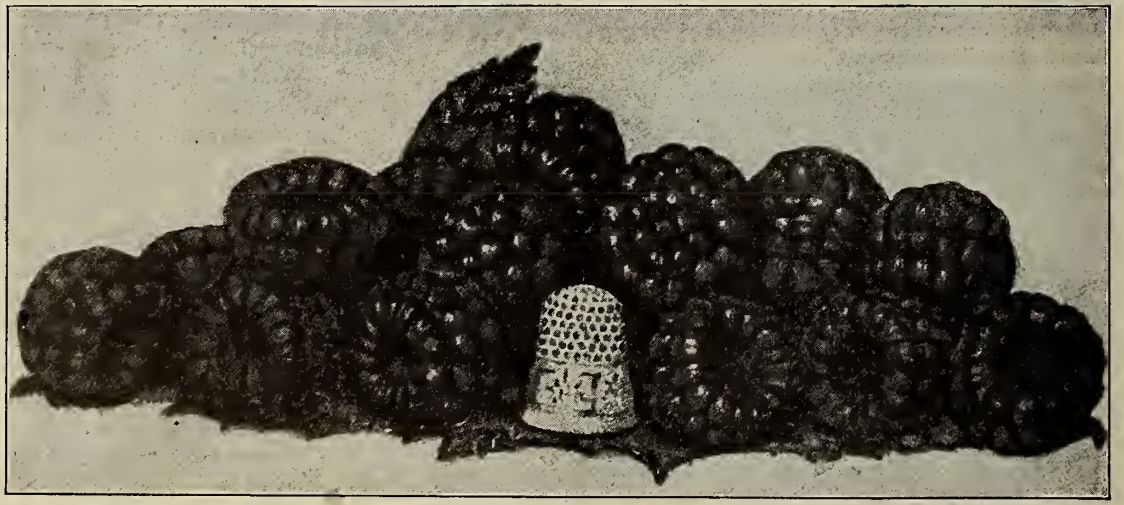
It yields its first crop of berries in June (the regular season), and yields an equally heavy crop the latter part of August, and continues bearing right up to November.

It thrives equally well on sandy and heavy soil. The fruit is large, of a beautiful crimson color, very sweet and juicy and is borne in great abundance, and does not seem to sunscald as easily as other sorts, last season we had a photo made of a stalk which had by actual count 169 berries on one stem, this will give some idea of its free fruiting qualities.

We will send out strong plants, which, from our experience in the past, should bear the first season.

Price: 60c. per doz., per 100, $4.00; $17.50 per 500; $30.00 per 1000.

(Parcel Post Weight, per doz., 5 lbs.).



The Wonderful Everbearing Raspberry "Ranere"

Plants in quantities larger than a few can best be shipped via express or freight. No Plants sent C. O. D. (hc)

MICHELL'S SELECTED SMALL FRUITS

(SHIPPING SEASON MARCH 15th TO MAY 15th)

GRAPE VINES

Brighton. Bunch large, well formed; berries above medium to large, round; excellent flavor and quality. One of the earliest in ripening.

Caco (*New*). A full description of this variety will be found on page 182. Extra strong vines, 50c. each; doz., $5.00.

Campbell's Early. A valuable and delicious grape; vine very strong, hardy and vigorous, with thick, healthy foliage; berries large, black, with light purplish bloom; skin thin; few and small seeds; flavor rich, delicious.

Concord. The well-known standard purple variety, succeeds wherever grapes will grow.

Delaware. Bunches and berries rather small; light red; juicy.

Catawba. Delicious flavor, medium size red berry.

Green Mountain. A very early grape of the best quality; of medium size; color, greenish-white; almost melting in the mouth; vine vigorous, healthy and productive. 50c. each; per doz., $5.00.

Moore's Diamond. A strong healthy grower, hardy and productive; color, white; berries large, flesh tender, juicy, but with little pulp; ripens before Concord.

Moore's Early. Berry large, with heavy blue bloom. Vine exceedingly hardy; desirable for an early market.

Niagara. An unusually strong grower; bunches very large and compact, berries large, light greenish-white, semi-transparent, has very little pulp and is sweet to the centre.

Pocklington. Bunch and berries large, when fully ripe a light golden-yellow. Vine thoroughly hardy, strong grower and productive.

Vergennes. Berries large, holding firmly to the stem; light amber; rich and delicious.

Worden. A beautiful, large black grape; larger, earlier and decidedly better than Concord.

Wyoming. Vine very hardy, healthy and robust. One of the most beautiful of the amber or red grapes, and in size nearly double that of the Delaware. Flesh tender and sweet, with a strong native aroma. Ripens before Delaware.

SPECIAL OFFER. We have an extra fine stock of most of the varieties which are described above, in strong 3-year-old vines. These will invariably produce fruit a year after planting, which makes it well worth while to plant 3-year-old stock.

Our stock of these, however, in some varieties is limited and constantly changing; we therefore suggest that customers allow us to send, in case we are sold out of the varieties they want, a good substitute, which in any event will be equal to or better than the variety they have ordered of the same color.

PRICES. 2-year-old vines, except where noted, 25c. each; doz., $2.50; $15.00 per 100. Extra strong 3-year-old vines, which generally bear the following season, 50c. each; doz., $5.00; $30.00 per 100. P. P. Wt., on Grape Vines, 2-year-old, 1 lb.; 3-year-old, 2 lbs.

GOOSEBERRIES (Extra Strong)

Gooseberries should be cultivated during the growing season and fertilized with manure in the early spring or late fall. They will repay you for this trouble with an extra big crop.

Parcel Post Weight on Gooseberries, 5 lbs. per doz.

Industry. An English variety quite hardy here; it is a great producer of large red berries. 20c. each; doz., $2.00; $15.00 per 100.

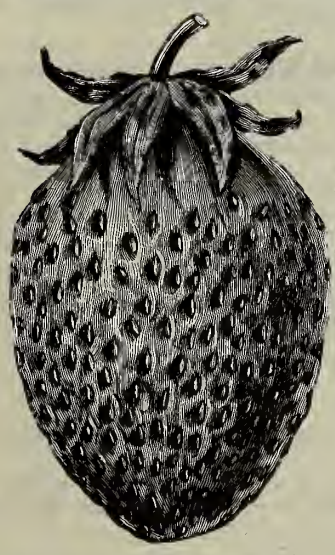
The Pearl. Large pale green fruit of exceptional quality; very sweet. 15c. each; doz., $1.60; $12.00 per 100.

Downing. Fruit medium to large, whitish green; flesh soft, juicy. Each, 15c.; per doz., $1.50; per 100, $10.00.

Houghton. Bush a vigorous grower, with rather slender branches; very productive. Fruit medium size, pale red, tender and good. 20c. each; per doz., $2.00; $12.50 per 100.

Red Jacket. Of American origin, possessing all the good qualities of the English type, and withstanding our severe climatic conditions with impunity. A wonderful cropper, with clean healthy foliage. 20c. each; per doz., $2.00; $12 50 per 100.

STRAWBERRY PLANTS (Extra Strong Layers)



Ready from April 1st to May.

EARLY VARIETIES

Abington, Chipman, Senator Dunlap, Success.

MID-SEASON VARIETIES

Auto, Bubach, Cardinal, Heritage, Nick Ohmer, President, William Belt, Marshall.

LATE SEASON VARIETIES

Brandywine, Gandy, Glen Mary, Norwood, New Home, Superior, Sample, Sharpless, Steven's Late Champion, Haverland.

Price of the above, 25c. per doz.; $1.25 per 100; $7.00 per 1000.

FALL FRUITING VARIETIES

Americus, Progressive, Superb. 30c. doz.; 100, $1.50; 1000, $10.00.

P. P. Wt. of Layer Strawberries. 1 doz., 1 lb; 100, 4 lbs.

Pot-Grown Strawberry Plants ready about August 1st.

Usual Shipping Season for Small Fruits, April, May, October, November. (hc)

MICHELL'S SELECTED SMALL FRUITS

(SHIPPING SEASON MARCH 15th TO MAY 15th)

Blackberry Mersereau

BLACKBERRIES (Extra Strong Plants)

Eldorado. A very vigorous grower, free from mildew or rust, enormously productive; fruit large, excellent quality, free from core. Per doz., 60c.; $3.00 per 100.

Erie. Very productive; free from rust; fruit of good quality. 75c. per doz.; $3.00 per 100; $20.00 per 1000.

Ohmer. Canes hardy; fruit very large; of excellent quality, firm, with no core, and sweet before soft or fully ripe. 60c. per doz.; $3.50 per 100.

Mersereau. Remarkably strong grower. An enormous producer of extra size berries which are brilliant black and retain their color under all conditions; sweet, without core. Unsurpassed as a shipper and keeper. Per doz., 75c.; $4.00 per 100.

Rathbun. Fruit is of enormous size, single specimens measure one and three-quarters inches in length, firm and sweet, with no core. Plant is very hardy. 60c. per doz.; per 100 $3.00.

Star (*New*). (*Everbearing.*) See page 182 for a full description of this. 20c. each; $2.00 per doz.; per 100, $12.50.

Ward. A new blackberry of great merit. A seedling of the Kittatinny, which it resembles somewhat. A very strong grower; it is perfectly hardy. The fruit is black throughout, very prolific and firm. 60c. per doz.; $4.00 per 100.

We consider the above the best varieties in commerce.

Note.—If Blackberries are desired by Parcel Post allow 5 lbs. per dozen for postage, as we send out only extra strong plants which generally bear some the first season.

RASPBERRIES

Extra Strong Plants

Raspberries should be carefully staked, to get large crops. We recommend that well-rotted manure or other suitable fertilizer be dug around the bushes, either in the fall or early spring.

Brilliant. Ripens its fruit early and fast, producing bright, glossy, brilliant red berries, handsome. $1.00 per doz.; per 100, $5.00.

Cumberland (*Blackcap*). The largest raspberry known. Selected specimens measure an inch in diameter, immensely productive. Season a little in advance of Gregg. 60c. per doz.; per 100, $3.00.

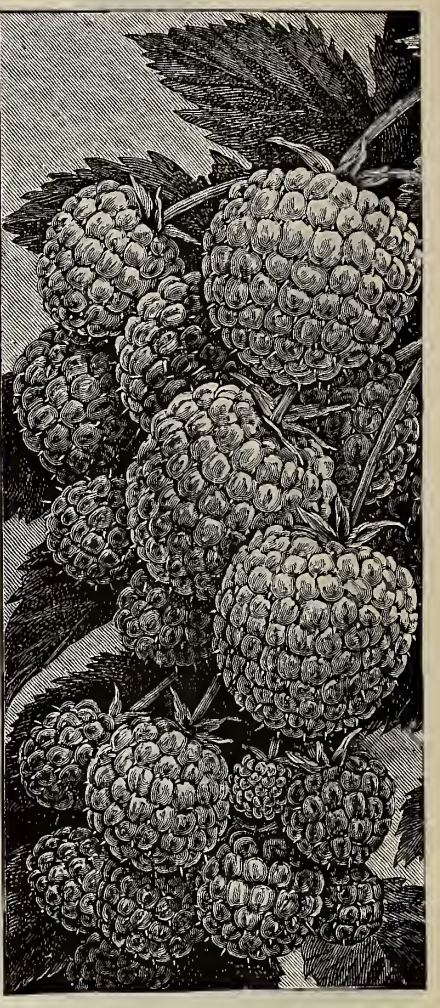
Cuthbert. Berries very large, measuring 3 inches around; conical; rich crimson. 60c. per doz.; per 100, $3.50.

Columbian. Fruit very large, often an inch in diameter; color dark red, bordering on purple. 75c. per doz.; per 100, $3.50.

Gregg (*Black*). Large, firm, of good quality, ripening late. Exceedingly productive. 60c. per doz.; per 100, $3.50.

Golden Queen. Berries are large, of beautiful bright yellow, of excellent quality; medium to late. Per doz., 75c.; $3.50 per 100.

Ranere (*Everbearing*). A full description of this will be found on page 182. 60c. per doz.; per 100, $4.00.



Raspberry Brilliant

We consider the above varieties the best in cultivation.

Note.—If Raspberries are desired by Parcel Post, allow 5 lbs. per doz. for postage, as we send out extra strong plants.

CURRANTS (Extra Strong Plants)

Currants like good rich soil. They are particularly susceptible to scale, and steps should be taken to keep them free from this by liberal spraying, when the bushes are dormant.

Black Naples. Fruit varies from small to large, averaging above medium; strong flavor. An old and well-known variety.

Cherry. Bush vigorous, stocky and compact; cluster rather short, with short stems; fruit averages large; color fine, bright red. One of the most productive of the large currants.

Fay's Prolific. Not quite so strong a grower as Cherry; cluster medium to long, with rather long stems; color darker than Cherry.

North Star. Bush very vigorous, upright, somewhat spreading; clusters medium length.

Red Dutch. An old and well-known standard variety; clusters average about three inches long; berries medium in size, dark red.

Versailles (*La Versailles*). Bush a vigorous, somewhat spreading grower. Very similar to Cherry in habit of growth and character of fruit.

White Grape. Clusters long; berries very large; of very attractive color, mild flavor and good quality.

Price, any of the above varieties of Currants, strong 2-year-old, 15c. each; per doz., $1.25; $8.00 per 100.

Note.—If Currants are desired by Parcel Post, allow 5 lbs. per doz. for postage, as we send out extra strong plants, which generally bear some the first season. The varieties we list are among the best.

Currant White Grape

MICHELL'S FRUIT AND NUT TREES

ALMOND

Hard Shell. A fine, hardy variety. The nuts have large, plump kernels, and the tree large, showy, ornamental blossoms; 4 to 5 feet, 50c. each; $5.00 per doz.

BUTTERNUT

Tree of rapid growth, with large, luxuriant, tropical-looking foliage; very ornamental, very productive; bears young. The nuts differ from American black Walnuts in being longer, with kernels of sweeter and more delicate flavor. 4 to 5 feet, 60c. each; $6.00 per doz.

CHESTNUTS

Hannum (*Grafted*). Tree a very vigorous, upright grower, attaining great size, the original tree having a spread of about eighty feet; immensely productive. Nuts of medium size, light in color, bright, handsome, of very good quality. 4 to 6 feet, $1.75 each; $17.50 per doz.

Numbo (*Grafted*). Very hardy; very productive. Comes into bearing quite young. Nuts large and of good quality, ripening early, usually before frost, and selling at high prices. 4 to 6 feet, $1.50 each; $15.00 per doz.

Paragon (*Grafted*). Tree hardy, productive; nuts large and of excellent quality. Two trees four years grafted produced one bushel of nuts each, which sold at wholesale at $10 per bushel. 4 to 6 feet, $1.75 each; $17.50 per doz.

Ridgeley (*Grafted*). A large variety of the Chestnut from Delaware. Very productive. As indicating its great value as a market variety, the crop from the original tree is reported to have brought $32.00. Very good quality. 4 to 6 feet, $1.75 each; $17.50 per doz.

Native Sweet American Chestnut

The well-known Chestnut of the forest, for sweetness and quality unsurpassed. A vigorous, healthy-growing tree, and the best stock on which to graft the improved varieties. It makes a beautiful shade tree, also, showing billowy masses of creamy bloom in summer. In its season no other nut is more sought after, as evidenced by the enormous quantities sold in both the wholesale and retail markets. 5 to 7 feet, $1.00 each; $10.00 per doz.

WALNUTS

Persian Kaghazi is claimed to be the hardiest of all soft-shelled Walnuts, and stands several degrees below zero without injury. It is a vigorous, free grower; very prolific, producing nuts in clusters, and comes to fruiting very young. The nut is larger than in the ordinary varieties; the kernel full, plump, meaty, sweeter, richer in oils and of finer flavor. The shell is thin but not tender, like some "paper shell" varieties, does not crack in handling, still may be crushed in the fingers. Very desirable and valuable. 3 to 4 feet, 60c. each; 4 to 5 feet, $1.00 each.

Persian (*Madeira*). The well-known English Walnut, a handsome, lofty-growing tree of spreading habit, hardy and productive as far north as New York City. Trees of this variety are plentiful in New Jersey, and produce annually immense crops of thin-shell nuts of a delicious quality. This tree should not be planted for the nuts alone, but as a shade and ornamental tree, its handsome form, deep green foliage, and clean appearance, render it strikingly handsome as a lawn tree. 3 to 4 feet, 60c. each; $6.00 per doz. 4 to 5 feet, $1.00 each; $10.00 per doz.

Black Walnut. A native tree of large size and majestic form, beautiful foliage. The most valuable of all trees for its timber, which enters largely into the manufacture of fine furniture and cabinet-ware, and brings the highest price in market. Tree a rapid grower, producing a large, round nut of excellent quality. 3 to 4 feet, 60c. each; $5.00 per doz.

FILBERT. HAZELNUTS.

These are of the easiest culture, and among the most profitable and satisfactory nuts to grow. The bushes are of dwarf habit, entirely hardy, abundant yielders; succeed almost everywhere, and come into bearing young. 3 to 4 feet, 50c. each; $4.00 per doz.

PAPER SHELL PECANS

The impression that the Pecan can be grown only in certain favorable, moist locations, is rapidly being dismissed, as the trees are being continually discovered throughout the Middle and Western States in locations which have not been considered favorable to their growth. Right in Burlington County, New Jersey, are a number of large, handsome trees, two to three feet in diameter, on high, dry ground, and producing annually five to six bushels of delicious thin-shelled nuts. The tree is hardy, tough, free from blight, insect scales, or any of the usual ailments common to orchard trees. 3 to 4 feet, 60c. each; $5.00 per doz.

HICKORY SHELLBARK

To our taste, no other nut that grows, either foreign or native, is superior to this; in quality it possesses a peculiar rich, nutty flavor, excelled by none. The tree is of a sturdy, lofty growth. The wood, on account of its great strength and elasticity, is highly prized for making agricultural implements, and is unsurpassed for fuel. 4 to 5 feet, 85c. each; $9.00 per doz.

APPLES

Baldwin. Large, roundish; deep bright red; very productive; handsome fruit. One of the most popular varieties in northern States. January to April.

Ben Davis. Large, handsome, striped, productive; a late keeper. A profitable market sort. December to March.

Grimes' Golden (*Grimes' Golden Pippin*). Of the highest quality; deep golden yellow, aromatic, spicy and rich. Tree vigorous and productive. January to April.

Maiden's Blush. Rather large and smooth, evenly shaded red or blush on a clear, pale yellow ground; with a pleasant subacid flavor. September and October.

Red Astrachan. Large, roundish, deep crimson, overspread with a thick bloom; juicy, rich, acid, very productive. August.

Rhode Island Greening. Large, greenish-yellow; tender, juicy and rich, with rather an acid flavor; an abundant bearer. December to April.

Smokehouse. A popular old variety in Pennsylvania, where it originated. Roundish oblate; yellow, shaded and striped with bright red; flesh yellowish. A rather crooked grower, but productive. September to February.

Northern Spy. Large, roundish, slightly conical. Flesh white and tender, with a rich and delicious flavor. The tree should be kept open by pruning, so as to admit air and light freely. January to June.

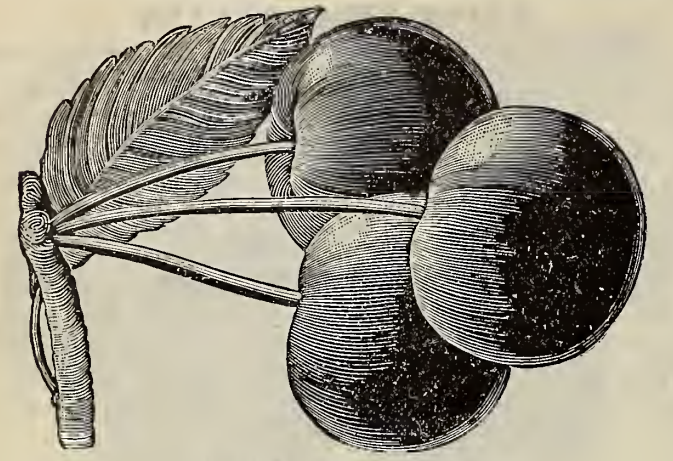
Wine Sap. Medium size, dark red; of rich flavor, very productive; late.

Any of the above in 6 to 8 ft. trees, 60c. each; doz., $6.00; $40.00 per 100.

We can also supply all other varieties, also Crab Apples.

All Trees can be shipped via express or freight only. No Trees sent C. O. D.

MICHELL'S RELIABLE SEEDS, BULBS, PLANTS — GARDEN TOOLS, FERTILIZERS, POULTRY SUPPLIES, ETC. — 518 MARKET ST. PHILA.



Black Tartarian Cherry

CHERRIES

Black Tartarian. Very large, purplish-black; flavor mild and pleasant. Tree a remarkably *vigorous* grower, and an immense bearer. Last of June and beginning of July.

Early Richmond. Medium size, dark red. This is one of the most valuable and popular of the acid cherries, is unsurpassed for cooking purposes and exceedingly productive. June.

Governor Wood. Fruit large, roundish, heart-shaped. Skin light yellow, shaded and marbled with bright red. Middle of June.

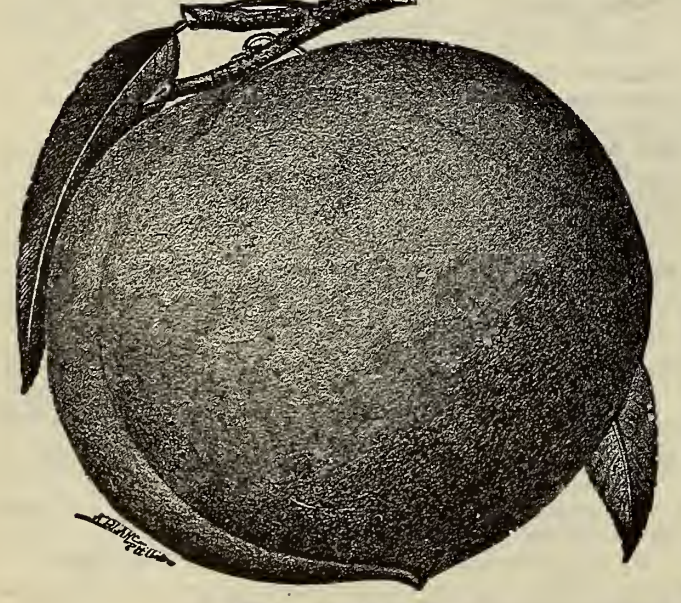
Large Montmorency. A popular market variety; good for all purposes. Vigorous grower, very productive. Fruit large, light red; ten days later than Early Richmond. Last of June.

Mercer. A heart variety of large size, excellent quality and attractive appearance, larger than Black Tartarian; color when ripe very dark red, very meaty and firm, free from rot and disease, very productive, hardy and a good grower; an excellent cherry for the home garden. Early.

Napoleon. A magnificent cherry of the largest size; pale yellow, with a bright red cheek; flesh very firm, juicy and sweet; enormous cropper; ripens late; valuable for canning.

Yellow Spanish. Large; pale yellow, with bright red cheek in the sun; flesh firm, juicy and delicious; one of the best, most beautiful and popular of all light-colored cherries. Tree erect, *vigorous* and productive. End of June.

Extra Strong Trees, 5 to 7 feet high, 75c. each; per doz., $7.50. We can also supply all other varieties.



Crawford's Late Peach

PEARS

Bartlett. Large size, with a beautiful blush; buttery, very juicy; bears early and abundantly. August and September.

Flemish Beauty. Large, beautiful, juicy, melting; good bearer; one of the hardiest and does well nearly everywhere. September and October.

Howell. Large, light, waxen yellow, with a fine, red cheek; handsome, rich; aromatic flavor. An early and profuse bearer. September and October.

Kieffer. While not of best quality, properly ripened it is a fair dessert fruit, and one of the very best for canning and preserving. October and November.

Lawrence. A good grower; very productive. Fruit medium, canary-yellow, sweet and excellent; a good keeper. December.

Le Conte. Very vigorous grower, with luxuriant foliage; fruit very large, greenish-yellow, smooth and handsome; juicy. Early.

Rossney. A large variety of rare merit; flesh fine grained and of superior flavor; skin a beautiful creamy yellow, with crimson blush, giving it a tempting appearance; ripening in September.

Worden-Seckel. A seedling of the Seckel. Equal in quality to its famous parent, which it much resembles in flavor, is equally as luscious, more juicy, while in size, color, form and appearance it is decidedly superior; hardy and an enormous bearer; fruit keeps well. October.

Extra Strong Trees, 5 to 7 feet high, 75c. each; per doz., $7.50. We can also supply all other varieties.

PLUMS

Abundance. The fruit is very large, showy and beautiful. Amber, turning to a rich, bright cherry color. Ripens early in August.

Burbank. Medium to rather large, conical in form; orange-yellow, overlaid with red; flesh firm, meaty, yellow; from two to four weeks later than Abundance.

Hale. The plums are of the largest size, bright orange-yellow skin, mottled and nearly covered with vivid cherry-red.

Red June (Japan). Vigorous and early; fruit medium to large, deep vermilion-red; very showy; flesh light lemon-yellow.

Sultan. Very large in size, deep purplish-crimson in color; flesh very firm, dark crimson shaded with pink.

Wickson. Fruit large, obconical, dark crimson-purple; flesh very firm, highly flavored; pit small. An excellent keeper. Ripens after Burbank.

Wild Goose. Large, rich, crimson; very productive and profitable.

Extra, 5 to 6 feet, 60c. each; per doz., $6.00.

PEACHES

Trees such as we furnish will often bear the year after they have been set out.

Crawford's Early. The best yellow peach for market; fruit large, oblong; skin yellow, with fine red cheek; flesh yellow, juicy; wonderfully productive. Last of August.

Crawford's Late. Fruit of the largest size; skin greenish-yellow, with dull red cheek; flesh yellow; one of the finest late sorts. Last of September.

Elberta. Large, yellow, with red cheek; flesh yellow; firm, juicy, of high quality. Exceedingly prolific, sure bearer and hardy. Is doing well in all peach sections north and south. One of the leading market varieties. Follows Early Crawford.

Mountain Rose. The largest early peach. White, with red cheek; rich and very good; productive and reliable. Freestone.

Oldmixon Free. Uniformly large; white, covered with bright red; one of the best. Last of August.

Stump the World. Very large; skin white, with bright red cheek; flesh white, juicy and good. Last of September.

Extra Strong Trees, 5 to 6 feet high, 40c. each; per doz., $4.00. We can also supply all other varieties.

QUINCES, APRICOTS and all other Fruit Trees can be furnished promptly at reasonable prices for Reliable Stock.

All Trees can be shipped via express or freight only. No Trees sent C. O. D. (he)

MEHLER'S HANDY GARDEN TOOLS

HANDY GARDENER

MEHLER EDGER

MEHLER SCRAPER

MEHLER HOE

THE MEHLER LINE OF PRACTICAL GARDEN TOOLS

These are the invention of a practical amateur gardener, who has spent much time and labor in perfecting them. Each tool is fitted for particular work and performs the same to perfection. The "Handy Gardener" and "Handy Hoe" can be used without bending the knees, and are especially suited for ladies who like to work in the garden.

HANDY GARDENER. For cultivating among flower beds, in the vegetable garden, etc., etc., gets closer to the plant than any other tool. Does all that any hoe, weeder and rake will do in one operation. **Price, 75c.**

HANDY HOE. This will do what any half-moon and square hoe will accomplish. It has a wide side and a narrow side, while another part of it will answer as a rake to pulverize the soil. **Price, $1.00.**

HANDY EDGER. Designed so as to make it suitable for edging gravel, dirt or cement walks. It is the only edger made that has a perfect arrangement on it for foot pressure, which makes easy edging possible. A device on the rear end of the hoe makes it suitable for running along the edge of the path, after the turf has been cut, thus throwing it away from the body of the lawn. **Price, $1.25.**

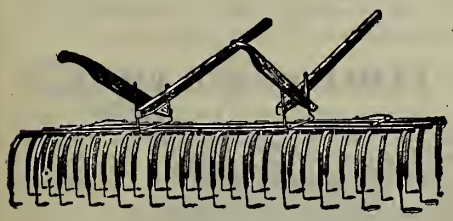
HANDY SCRAPER. This was originally designed as a dropping-board scraper in poultry and pigeon houses. It has a blade 13 in. wide, enabling the operator to perform a lot of work in a short time. It gets in the corners easily and has a sharp crimped edge on the upper side, which is used to loosen up any hard substance. It is also suited for a variety of other work around the farm or garden. **Price, 75c.**

HAPPY JACK SAILOR WIND MILL

An interesting feature for the children's garden, although they are equally practicable for the grown-ups. They revolve with the least puff of wind, and on account of their looks they serve as a scarecrow for undesirable birds or animals. They are handsomely finished in colors and can be fastened to any tree, post, house or wash line pole. Height, 15 in. **$1.25 each. P. P. W. 3 lbs.**

BRANDING IRONS

It is essential on all well-regulated farms and country estates to have the wooden portions of the implements branded with the number or name of the owner. This can be only accomplished with the aid of a branding iron, which can be heated in a few moments and the name of the farm, estate or owner burned on the tool. This goes a long way towards preventing the goods from being stolen. These are made to order, 3-16, ¼, ⅜ inch letters. Price of each size, with 8 letters or less, $1.50. Additional letters, 15c. each. ½-inch letters, per brand of 7 letters or less, $1.75. Additional letters, 20c. each.



The Keystone Adjustable Weeder

COLUMBIA LAWN AND FARM CARTS

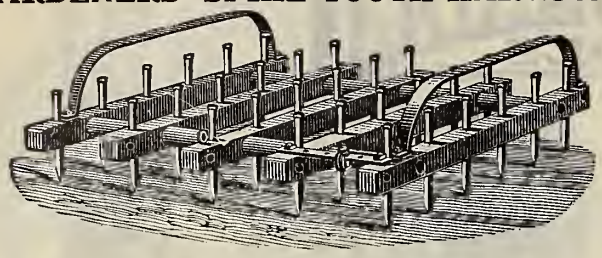
Made of hard wood bodies from good air-dried stock, built with solid steel axles. Tires of other dimensions than those noted can be supplied at extra cost. We can also supply other sizes.

No.	Axles	Tires	Length	Width	Depth	Capacity	Price
38	1½ in.	2 x ½ in.	5 ft.	3 ft.	11 in.	1000 lbs.	$39.00
40	1¾ in.	2 x ½ in.	5 ft. 4 in.	3 ft.	12 in.	1500 lbs.	44.40
42	2 in.	3 x ½ in.	5 ft. 9 in.	3 ft.	12 in.	2000 lbs.	51.60

KEYSTONE ONE-HORSE WEEDER

Surface cultivation among young growing crops is of great value. It stirs the soil, keeps down weeds and prevents evaporation of moisture. It can be adjusted to cover a 7½-foot stretch or graduated down to a 2½-foot stretch. Any of the teeth can easily be removed, if it is desired not to cultivate very finely. The teeth are narrow, go into the soil easily; do not cultivate deep, like other machines. Price, $10.00.

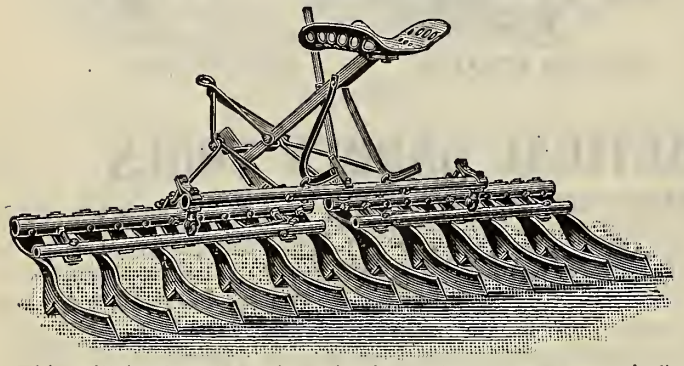
GARDENERS' SPIKE TOOTH HARROWS



Though old-fashioned in appearance and construction, this harrow is still preferred by many; fitted with runners, upon which it may be turned to take it from place to place.

Price, 25 teeth.....$6.00 Price, 30 teeth.....$7.00

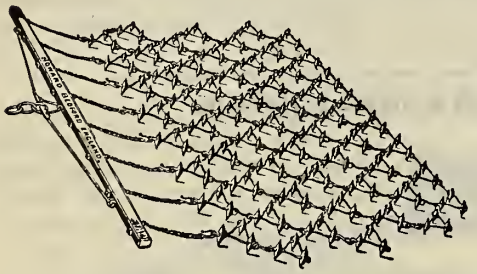
ACME PULVERIZING HARROW



This will be found by those having a large acreage an indispensable implement, for pulverizing and crushing the ground so thoroughly as to give it the appearance of being done by hand.

No. 23. Price, 6 ft. covering area, 2-horse.....$18.00
No. G. Price, 4 ft. covering area, 1-horse..... 14.50
Extra blades, 50c. each.

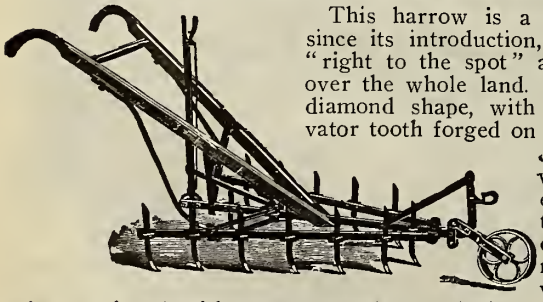
SCOTCH CHAIN HARROW



One of the best implements for pulverizing the surface soil, leveling and smoothing, and is also splendid for covering grass seeds, etc. Used on driveways and race tracks, it smooths the surface, eliminating ruts and footprints

		Weight	
No. 1F.	One-horse size, 5 x 6 feet.....	126 lbs.	$18.00
No. 2F.	Medium two-horse 6 x 7¾ feet.....	236 lbs.	25.00
No. 3F.	Full two-horse size, 9 x 11 feet.....	357 lbs.	30.00

IRON AGE DIAMOND TOOTH HARROW AND CULTIVATOR No. 1014



This harrow is a tool that has, since its introduction, seemed to go "right to the spot" among farmers over the whole land. The teeth are diamond shape, with a small cultivator tooth forged on one end—steel, of course. For very close work, every other tooth can be quickly removed. Cultivating width when equipped with lever expander, 34 inches; with plain expander in place of lever expander, 38 inches.

Price complete, as in cut $5.50
" without wheel, with lever 4.90
" " " or lever 4.10

PLANET Jr. TWELVE-TOOTH HARROW CULTIVATOR AND PULVERIZER

With the Twelve-Tooth Harrow here shown, you go as deep or shallow as you like, come up close to row without injuring plants, cut out all the weeds, stir the soil, mellow and fine it as with a garden rake. You widen and narrow as you please between 12 and 32 inches. It's a special favorite with strawberry growers, market gardeners and truckers.

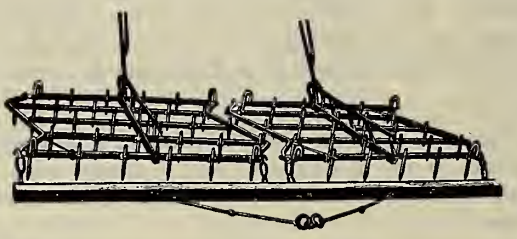
Price, as in cut with cast wheel.$8.50 Price, less pulverizer
" less pulverizer ..... 7.00 and wheel $5.75

SINGLE AND DOUBLE TREES

Wood Single Trees,	26 inches,	hooks or rings,	price.....	$0.75
" " "	28 "	" " "	.....	.85
" Double "	heavy No. 2 "	" " "	.....	2.50
Steel Single "	24 inches,	" " "	.....	.90
" Double "	33 in., No. 1 "	" " "	.....	3.25

WALTER A. WOOD HARROWS

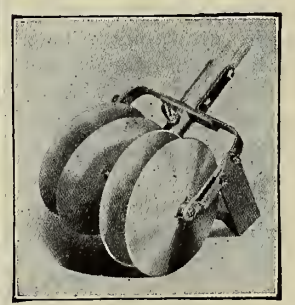
Steel Frame, Spike Tooth Type



These are equipped with a lever for lessening or increasing the depth of cultivation and are adjustable instantly. The teeth are equipped so as to readily pass any obstruction in the soil.

50 tooth, 2 sections, with draw bar.....$12.50
60 tooth, 2 sections, with draw bar..... 13.50
75 tooth, 3 sections, with draw bar..... 17.50

These Harrows may be divided in single sections, if desired to use with one horse.



PERFECTION CULTIVATOR

The only garden tool made that throws the soil to or from the plants without extra attachments.

Perfection at last. This New Disc and Knife Weeder and Mulcher is the final evolution in hand Cultivators. It excels and supersedes all. In it is found the best characteristics of others simplified to the accommodation of the professional trucker or home gardener. It does the weed killing, cultivating and mulching at one process. This is something that no other cultivator accomplishes. Price, $5.00 each.

EUREKA SEED DRILL

A handy device for sowing small quantities of any of the small seeds, such as Radish, Beet, Spinach, Lettuce, Celery, etc. For hot bed work or for the small kitchen garden this is an ideal drill. It has regulating devices for governing the quantity of seed to be sown, and is equipped so that a long handle can be attached thereto, to prevent bending over. Price, $1.00. Parcel Post Weight, 3 lbs.

HORSE CULTIVATORS, etc.—Planet Jr. and Iron Age

No. 8 PLANET Jr. HORSE HOE AND CULTIVATOR

Made of steel throughout. The lever wheel and depth regulator enable the operator to increase or lessen the depth of tilling by the mere stroke of the arm. The side or covering steels and shovel which is in the rear may be taken off and the arms so turned that when the extra teeth, which accompany the machine, are attached, it presents a perfect five-toothed cultivator.

Price.....$8.50

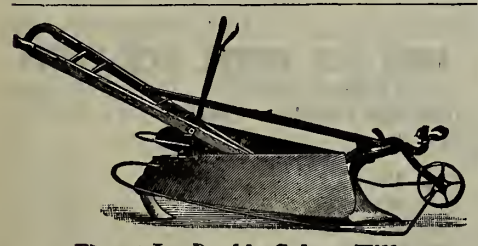
No. 4 PLANET Jr. HORSE HOE

Modern cultivator for either garden or field use, for furrowing, covering and cultivating, being adjustable to these several purposes.

Price, $6.25. Without wheel, $5.50.

PLANET Jr. 7 TOOTH CULTIVATOR

Many gardeners like the 7-tooth cultivator, because it prepares the soil better than does the 5-tooth machine. The expanding lever makes possible to cultivate a row of greater width than is possible with a smaller size. Price, complete as in cut, $7.50. Without wheel, $6.75.



Planet Jr, Double Celery Hiller

PLANET Jr. CELERY HILLER

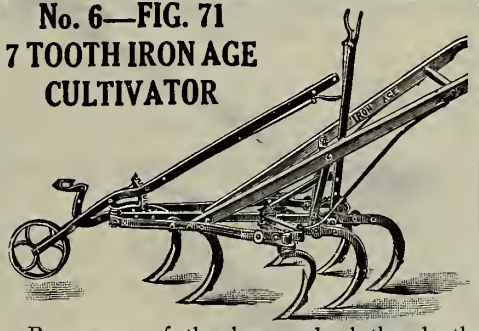
For throwing earth against celery plants prior to blanching, nothing equals this machine. Made in two styles. Single, for hilling one side of the row. Double, for hilling one side of 2 rows. Price, double style, $15.50; single style, $12.50.

No. 9 PLANET Jr. PLAIN CULTIVATOR

A light, strong and serviceable tool. To cultivate very narrow rows, the outside teeth and standards can easily be removed from the frame or replaced quickly.

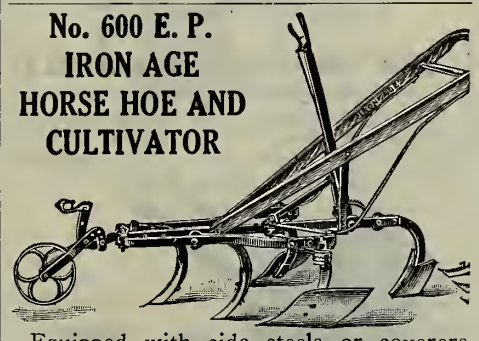
Price, with wheel, $6.00; without wheel, $5.25. Weight, 56 lbs.

No. 6—FIG. 71 7 TOOTH IRON AGE CULTIVATOR



By means of the lever wheel the depth may be regulated with a single stroke of the arm; the expanding lever renders it able to go through very narrow rows successfully. The cultivator may also be used as a five-tooth machine by merely unbolting two teeth and arms. Price, $6.75.

No. 600 E. P. IRON AGE HORSE HOE AND CULTIVATOR



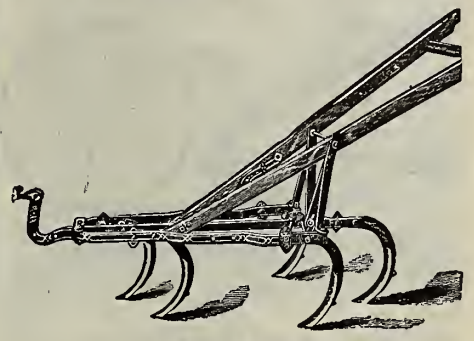
Equipped with side steels or coverers, which can easily be detached, and the regular cultivator teeth, which accompany each implement, attached. Price, $6.25.

No. 1005 IRON AGE CULTIVATOR

Largely sold in those sections of the country where labor is inefficient and a cheap and simple tool is desirable.

Price, as in cut, $3.50; with plain wheel, $4.00; with lever expander, $4.25; with lever and wheel, $4.75.

(See illustration on top of next column.)



No. 1005 Iron Age Cultivator

No. 1007 E. P. IRON AGE HORSE HOE AND CULTIVATOR

One of the best of the 7-tooth Iron Age equipments; the teeth are narrow, which enables it to do fine work, tilling deep and yet not injuring young plants. If it is desired to use this machine with less teeth than accompany it, any excess may be easily detached. Price, as in cut, $5.65.

IRON AGE CULTIVATOR TEETH

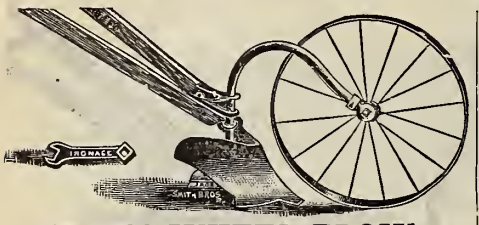
No.	Width	Each	No.	Width	Each
0	1¼-in.	$0.10	82	3 -in.	$0.11
96	1½-in.	.10	83	3½-in.	.13
1	2 -in.	.10	84	4 -in.	.14
89	2½-in.	.10	68	4 -in.	.12

Bolts for Teeth, 3c. each; per doz., 30c.

IRON AGE HORSE CULTIVATOR PARTS

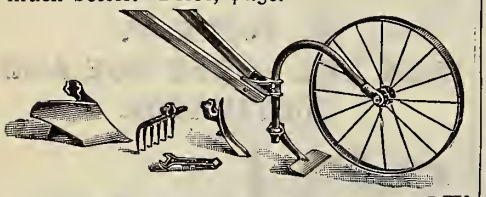
Handles, complete	$0.75
Handles, each	.30
Handle Rounds	.10
Wheels, plain, No. 2	.50
Wheels with Lever	1.00
Expanding Levers	1.20
Expanding Clamps	.25
Clevis	.15
Wrenches	.10
Diamond Harrow Teeth	.12

IRON AGE FARM AND GARDEN TOOLS



NO. 11 WHEEL PLOW

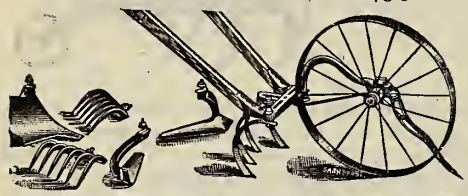
The work of hilling up crops in the garden by the old method is acknowledged difficult by any one who has tried it. Not only will the Wheel Plow do this work with less effort and more rapidly, it also does it much better. Price, $2.50.



NO. 12 WHEEL HOE AND PLOW

This tool is a most desirable one for the family garden and truck patch. It may be speedily changed for different purposes.

Price $3.50



NO. 9 WHEEL HOE, PLOW AND CULTIVATOR

The most complete of the Iron Age single wheel hand tools. It may be used as a hilling plow for hoeing, weeding and raking.

Price $5.25

No. 10.—This is similar to the above machine but with one pair of side hoes only.

Price $3.25

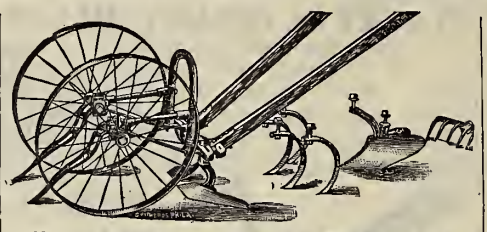
GEM SINGLE WHEEL HOE

Of garden tools this is the most popular, being low in price and complete in detail, suited for most any work in a garden. It weeds, hoes, hills and harrows. Price, $5.00.

GEM DOUBLE WHEEL HOE

Similar to the single wheel machine, excepting for the fact that it possesses another wheel and is minus the scufflers. It has instead one pair of side hoes, which can be used to better advantage on such a tool. The wheels may be adjusted to enable plants to be worked on both sides of row.

Price $6.00



No. 1 Iron Age Double Wheel Hoe

Double Wheel Hoes possess very great features over the single wheel machines. One point is that a row of plants may be worked complete on both sides with safety, and the entire soil gets thoroughly loosened without the least possible injury to the plants. The high centre arch enables this type of machine to be used where others would not be so practical. Two rakes, not shown, accompany this tool. Price, $7.00.

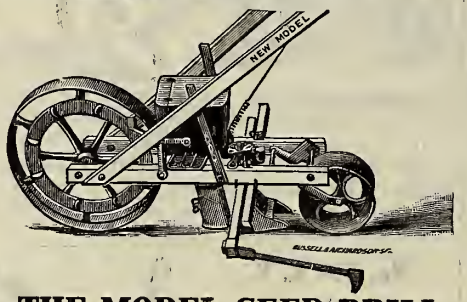
No. 3 Wheel Hoe is the above machine with vine lifters and one pair sides hoes only. Price, $4.25.

IRON AGE HAND PLOW

For making furrows, hilling, etc.

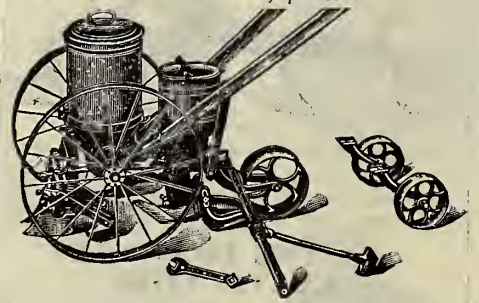
Price, each, $1.35.

Iron Age Hand Plow



THE MODEL SEED DRILL

The depth of sowing can be regulated to any desired distance. It is well named the market gardeners' drill, having a large capacity for seeds, and is a wonderfully efficient machine. Price, $8.00.

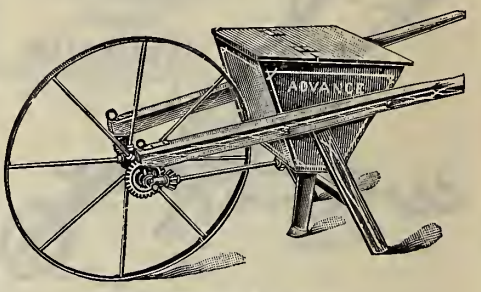


No. 22 Combined Fertilizer Distributor, Hill and Drill Seeder

One of the most successful seed and fertilizer drills ever made. The fertilizer is distributed more accurately than if put on by hand, and the two operations are done in one. Price, $18.00.

EUREKA HAND SEED DRILL

For sowing small seeds in hot beds and home gardens. $1.00 each.



"ADVANCE" FERTILIZER DRILL

The best low-priced distributer on the market.

A shut-off, to prevent the escape of fertilizer when wheeling around end of row, is a late improvement; being one of those little things which go far, however, in making a tool valuable. A first-class machine for the drilling of peas and corn.

Price, each $6.75

No. 6 Double and Single Wheel Hoe and Combined Hill and Drill Seeder

From a Seed Drill this tool can be converted into a Wheel Hoe, either single or double, it requiring but about three minutes to change to a Double Wheel Hoe and about two minutes to a Single Wheel Hoe, by an inexperienced operator. Price, as in cut, $12.00; No. 7 as Drill only, $9.00

NO. 4 COMBINED DOUBLE and SINGLE WHEEL HOE and DRILL SEEDER

Similar to the No. 6 Combined Double Wheel Hoe, Hill and Drill Seeder. It only differs in the seed sowing device and opening plow. Both tools as Double and Single Wheel Hoes are identical. The seed sowing device of our No. 4 is only designed to sow seeds in continuous rows. Price, complete, $11.00; No. 5 Drill Seeder only, $8.00.

IRON AGE WHEEL HOE PARTS

Gem Landside Plow		$0.90
Iron Age Landside Plow		.90
Weeder for Single Wheel Hoes		.80
" " Double " "	pair	1.10
Side Plows, right or left	each	.40
Side Hoes, right or left	each	.50
Rakes, 6-tooth	each	.40
Teeth, Gem	each	.35
Teeth, Iron Age	each	.15

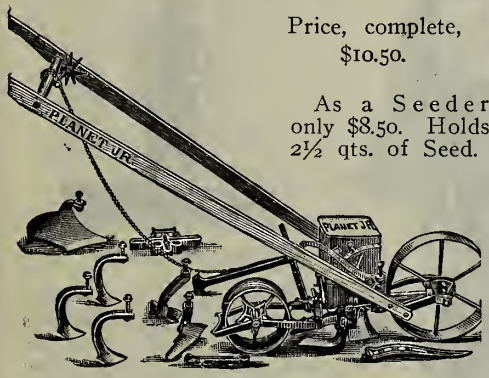
PLANET Jr. GARDEN TOOLS

Write for Complete Price-List on Planet Jr. Garden Tools

No. 4 PLANET Jr. COMBINED HILL AND DRILL SEEDER, WHEEL HOE, CULTIVATOR AND PLOW

Price, complete, $10.50.

As a Seeder only $8.50. Holds 2½ qts. of Seed.

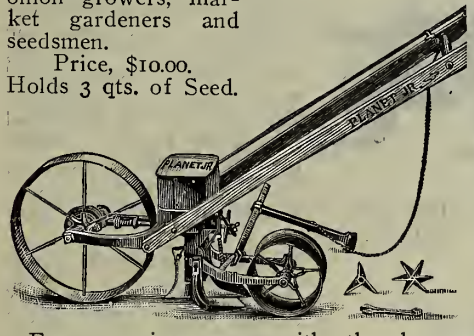


Plants all garden seeds accurately in hills or drills; hoes, cultivates and plows quickly and thoroughly. Popular with farmers and gardeners everywhere.

No. 3 PLANET JR. HILL AND DRILL SEEDER

A favorite among onion growers, market gardeners and seedsmen.

Price, $10.00. Holds 3 qts. of Seed.



Easy running, even with the hopper filled to the brim.

The special force feed is admirable, working equally well whether sowing with an ounce or a full hopper.

No. 25 PLANET JR. COMBINED HILL AND DRILL SEEDER, DOUBLE WHEEL HOE, CULTIVATOR AND PLOW

Steel Frame. Holds 2½ qts. of seed. $13.00.

Capital for large-scale gardening especially, has automatic feed-stopper, seed index and complete cultivating attachments.

No. 12 DOUBLE WHEEL HOE, CULTIVATOR AND PLOW

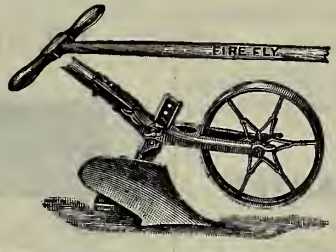
Price, $6.50.

Works both sides of plants thoroughly and rapidly at one passage, until crops are 20 inches high. This fine tool has indestructible steel frame and steel leaf lifters.

No. 13 DOUBLE WHEEL HOE

Price, $4.50.

This tool is the No. 12, with 6-inch hoes only, these being the tools that are most generally useful. Any of the attachments shown with No. 12 may be added at any time.



FIRE-FLY GARDEN PLOW

Exceedingly useful to every owner of a garden. It throws furrows various widths; very desirable for plowing up gardens for new crops (after general plowing in spring). Price, $2.25.

Chicken raisers find it of great advantage in plowing up their scratching yards.

PLANET JR. TOOLS NOT ILLUSTRATED

No. 1	Seeder	$9.00
No. 2	Seeder	7.00
No. 5	Hill and Drill Seeder	12.50
No. 6	Combined Seeder	13.00
No. 6	Plain Seeder	10.50
No. 28	Combined Seeder	14.50
No. 24	Plain Seeder	11.00
No. 11	Double Wheel Hoe	8.50
No. 13½	Double Wheel Hoe	5.75
No. 14	Double Wheel Hoe	7.50
No. 17½	Single Wheel Hoe	4.25
No. 38	Single Wheel Hoe	6.50
No. 18½	Single Wheel Hoe	4.50

No. 16 PLANET Jr. SINGLE WHEEL HOE, CULTIVATOR, RAKE AND PLOW

Price, $5.50.

No. 17 PLANET JR. SINGLE WHEEL HOE

Price, $4.75.

This tool is identical with No. 16, illustrated above, except in equipment. It has a pair of 6-inch hoes, a plow and a set of cultivator teeth.

No. 18 SINGLE WHEEL HOE

Price, $3.25.

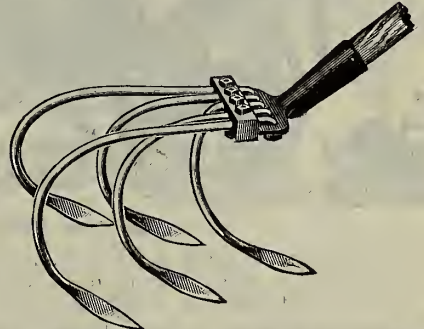
This has one pair of 6-inch hoes only. Other attachments can be added as needed.

PARTS of PLANET JR. WHEEL HOES

Wheel, plain	For Single Wheel Hoe	$0.60
Leaf Lifter		.20
Frame		.70
Handles, per pair		.70
Wrench	For Double Wheel Hoe	$0.12
Side Frames, ea.		.55
Wheels, each		.60
Arch		.80
Handles, per pair		.70
Leaf Lifters, each		.20
Side Plows, per pair	Parts for Single and Double Wheel Hoes	$1.10
Cultivator Teeth, each		.35
Landside Plow		1.20
Rakes, 3-tooth		.35
Rakes, 5-tooth		.45
Rakes, 7-tooth		.55

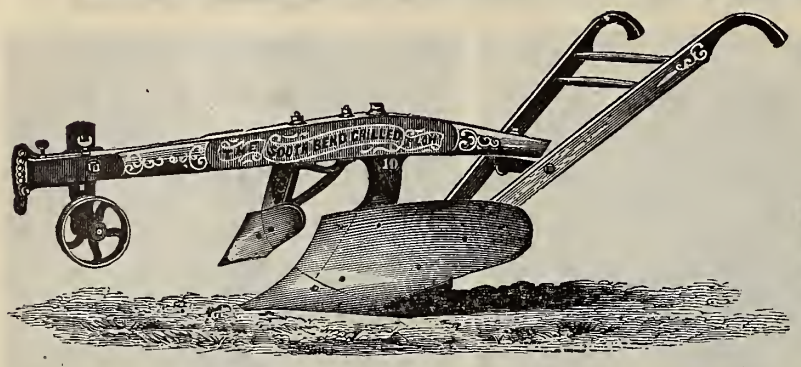
Side Hoes, 4½ in., 80c; 6 in., 90c.; 7 in., $1.00 pr.

Handle	For Fire Fly Plow	$0.50
Frame		.60
Wheel		.60
Mouldboard		.60



INVINCIBLE CULTIVATOR

A wonderfully useful tool, at times displacing the hoe and rake almost entirely. The teeth are adjustable, cultivate shallow or deep. Price, 85c. each.



SOUTH BEND PLOWS

The South Bend Plow is one of the most popular and efficient makes on the market to-day. For private garden farm or truckers work, it meets every requirement; made of chilled steel in various sizes to meet all conditions.

No. 1 B Wood Beam plain, one horse, ... $5.50
No. 2 F " " " one horse, heavy; or two horse light 8.00
No. 3 A Wood Beam plain, two horse 10.00
No. 4 " " " two horse, heavy 10.50

The No. 2-3-4 SB Plows can be equipped with wheel and jointer at the following additional cost—for wheel only $1.00; for jointer only, $2.00; for wheel and jointer together, $3.00 extra. Prices named above are for plain plow.

OLIVER PLOWS

These are preferred by some, in heavy ground. They are light and durable.

No. A 2 One horse, plain, wood beam..... $5.00
No. 10 N Two horse, wood beam, medium, complete with wheel and jointer $11.00

Price List of South Bend Plow Parts

	Shares	Mouldboards	Beams	Handles	Jointerpoints	Landsides
No. 1 B	30	1.50	.75	1.25		.40
No. 2 F	.35	2.50	.90	1.25	.20	.75
No. 3 A	.35	3.00	1.00	1.50	.20	1.00
No. 4	.40	3.25	1.25	1.50	.20	1.00

Price List of Oliver Plow Parts

	Shares	Mouldboards	Beams	Handles	Jointerpoints	Landsides
No. A 2	.30	1.35	1.50	1.25		.45
No. 10 N	.30	2.25	1.50	1.25	15	.70

We can also supply Gale & Syracuse Plows and parts for same.

KEYSTONE CORN PLANTER

Keystone Corn Planter

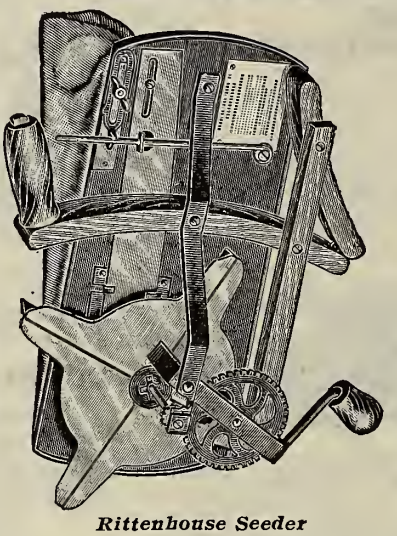
This is operated with one horse and will plant from 10 to 12 acres per day in either hills or drills, as desired. Equipped with a Fertilizer Attachment, which operates very accurately. Very simple construction; consists of nothing that will get out of order. It will also plant peas, beans, mangels, or other seeds, when equipped with proper regulating rings, which we can furnish at 25c. each. If wanted for other purposes than planting corn, mention crop to be planted, so that proper rings can be sent. Price, complete, without extra crop rings, $15.00.

WHEELBARROW GRASS SEEDER

This machine is now largely used for distributing grass and other seeds over large areas. The distributing box is very near the ground, which is an important feature, preventing the seed from blowing away and thus coming up unevenly.

No. 5 (14 feet sowing area), $7.50

BROADCAST SEED SOWERS



Rittenhouse Seeder

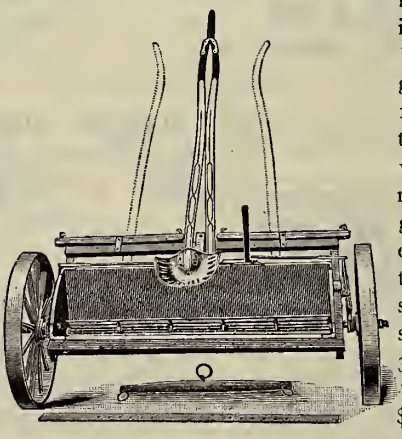
Cahoon Seeder

For accurately sowing Timothy, Clovers, Millets and heavy seeds of grass and other farm crops. Can be regulated to sow any required quantity per acre.

Cahoon Make, each..$3.25
Rittenhouse, each.... 1.75

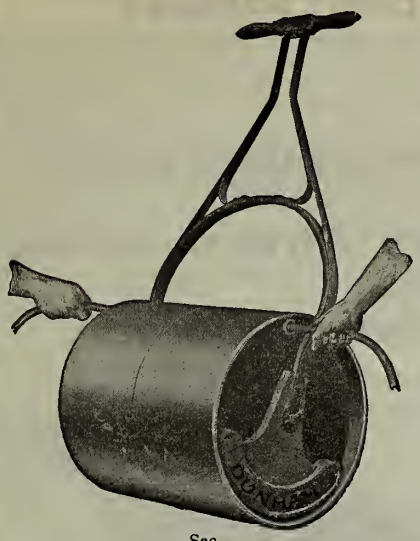
THE STEVENS FERTILIZER DISTRIBUTORS

For distributing bone meal, wood ashes, and other commercial fertilizers on fields, lawns, golf courses, etc. Insures perfect and even distribution, requiring less time than by the broad cast hand process. **Hand Machine** holds about 1¾ bu., nicely finished, covering area 3 feet wide. This style is adapted to distributing sand over Putting greens. Price, $12.00.



Horse Machine. This style is suitable for use on large lawns, fields and Golf grounds. It has a device for regulating the quantity to be sown. It is equipped with broad tires, which do not readily cut into the ground. It is furnished equipped for either one or two horses as may be desired. 5 foot, 10-inch spreading area, $42.50; 8 ft. 3-in. spreading area, $47.50; 10-ft, 3-in. spreading area, $50.00.

LAWN, FIELD and GOLF GROUND ROLLERS, Etc.



DUNHAM WATER BALLAST ROLLERS

The proper roller for most any occasion; fill it with water or sand, which will weigh it any number of pounds desired; 24 inches diameter, can be had in one or two sections. Equipped with counter balanced handle weights, which always keeps the handle in position ready for use; roller axle bearings. The two section roller is desirable on account of its not disturbing the turf or ground when being turned.

No.	Sections	Diam.	Width	Weight Empty	Weight filled with Water	Price
H. W. 6	1	24	24	185	560	$14.80
H. W. 8	1	24	32	200	710	16.40
H. W. 10	2	18	24	160	360	15.60
H. W. 12	2	24	32	230	710	20.40

We can also supply other sizes of Water Ballast Rollers.

BOSS HAND ROLLERS

No.	In. Diam.	In. Wide	Sections	Lbs. Weight	Price	No.	In. Diam.	In. Wide	Sections	Lbs. Weight	Price
1	15	15	2	150	$7.60	8	20	30	3	350	$17.25
2	15	22	3	200	10.00	9	24	20	2	400	19.50
3	20	16	2	225	11.25	10	24	24	2	450	22.00
4	20	20	2	250	12.50	11	24	24	3	450	22.00
5	20	20	1	250	12.50	12	24	30	3	500	24.50
6	20	24	3	300	14.75	13	28	24	2	500	24.50
7	20	24	2	300	14.75	14	28	24	3	500	24.50

BOSS HORSE ROLLERS

For Lawn and Golf Ground Use.

No.	Diam. In.	Lgth. In.	Sections	Lbs. Weight	Price	No.	Diam. In.	Lgth. In.	Sections	Lbs. Weight	Price
40	24	30	3	650	$41.00	43	28	30	3	800	$49.00
41	24	40	4	800	48.00	44	28	40	4	1000	59.00
42	24	50	5	950	55.00	45	28	50	5	1200	69.00

For Land or Field Use.

No.	Diam. In.	Lgth. Ft.	Sections	Lbs. Weight	Price	No.	Diam. In.	Lgth. Ft.	Sections	Lbs. Weight	Price
63	24	5	5	1450	$61.25	67	28	6	6	1950	$81.75
65	28	4	4	1350	59.50	68	32	4	4	2200	95.00
66	28	5	5	1650	70.50	69	32	5	5	2600	110.50

We can also supply other sizes of horse rollers.

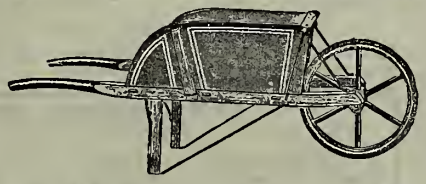
PUTTING GREENS ROLLER

This can be used on clay or grass greens; it is 4 feet wide, made of hard wood, in 4 sections, 10 inches diameter, each with a substantial iron band or ferrule to prevent them splitting. The surface is very even and true, leaving no marks; weight, 150 lbs. Price, $16.00.

WHEELBARROWS

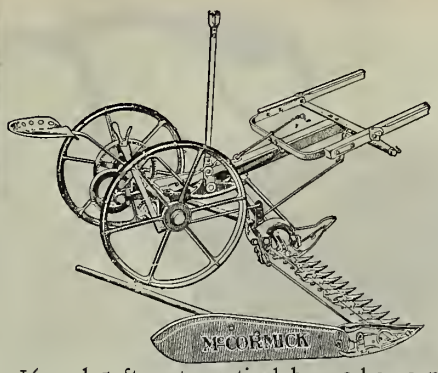
For Farm and Garden Use

The measurements of barrows are understood viz.: length, meaning inside length of body; depth, inside depth at front; width, outside width at handles.



	No.	Tire In.	Length In.	Depth In.	Width In.	Price
Eastern	4	3	26¼	11½	27	$4.50
"	5	3	28¼	11¾	27	5.00
Jacobs	2	1¼	24½	11	23	4.00
"	3	1½	25½	12	24	4.50
"	4	2	27½	14	26	4.75
Boys		2	21¾	9¼	20	3.00

Canal—Side dump (bolted).....$2.50. **Greenhouse**..... 5.00

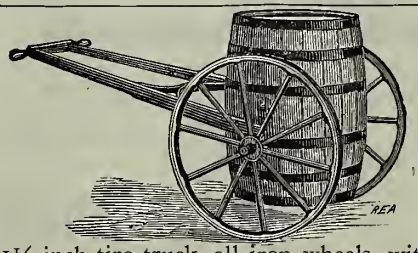


McCORMICK MOWING MACHINES

Gear Drive

These are now largely used for cutting on golf courses and large lawns, thus doing the preliminary work for the regular horse lawn mower. They are also equally well adapted for hay cutting.

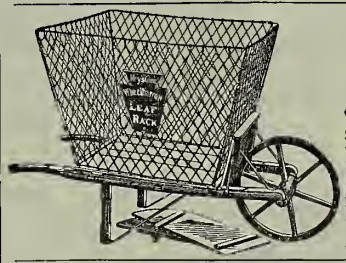
4½ and 5 ft. cut, vertical bar, 2-horse machine.....$48.00
4½ and 5 ft. cut (New 4) 2-horse machine..... 47.00
3½ and 4 ft. cut, vertical bar, 1-horse machine..... 42.00



BARREL TRUCKS, Etc.

The price below includes barrel and truck. The latter is constructed so that the barrel may be detached quickly and the leaf rack or stone box may be attached.

1½ inch tire truck, all iron wheels, with barrel.....$10.00
2½ " " " " " " 10.75
3½ " " " " " " 11.25
Extra Barrels, with trunnions, open head..... 3.50
Stone Boxes for attaching to the above truck..... 3.25



KEYSTONE LEAF RACKS

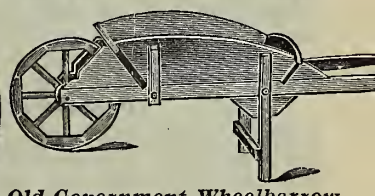
This new device can be used on wheelbarrows with removable sides. Convenient for gathering leaves, cut grass and rubbish. Has a capacity of 10 bushels; made of galvanized wire, bolted to a wooden base. Price, not including wheelbarrow, $4.00.

IRON AND WIRE LEAF RACKS

Excellent for gathering leaves, litter, grass, etc. They can be attached to a water barrel truck, shown above, instantly.

Leaf Rack only, no truck.....$5.50
" with 1½ inch truck..... 11.00
" with 2½ " " 11.75
" with 3½ " " 12.50

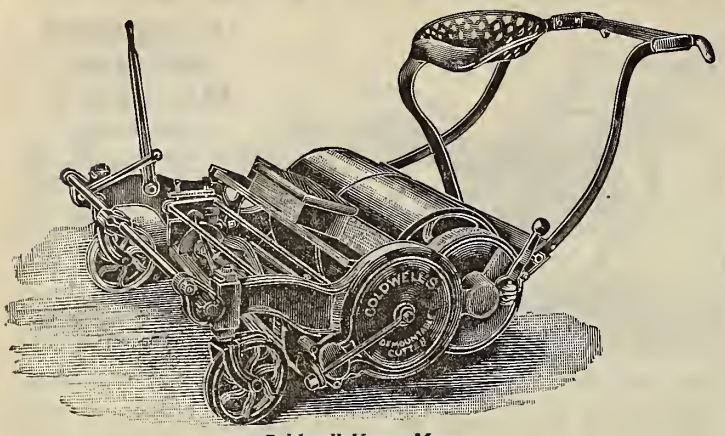
TWO POPULAR WHEELBARROWS



Nu-Way Barrow *Old Government Wheelbarrow*

Nu-Way. The sides of this wheelbarrow can either be taken off or let down, so as to make a carrying space almost 3 times as great as when the sides are vertical. It is adapted especially for moving plants in boxes or other material that takes up plenty of space. It is equipped with a tire 1¼ inches wide, has a body 26½ inches long, 11 inches deep and 25 inches wide at the handles. $6.00.

Old Government Style. This pattern of barrow has been used for years by private gardeners, and is preferred by them to many other styles. It seems to have a capacity greater than its appearance. It is equipped with a 1½ inch tired wheel, has a body 31 inches long, 9 inches deep, 26 inches wide; made of oak. $4.00.



Coldwell Horse Mower

HORSE AND PONY LAWN MOWERS

Coldwell Regular Style

25-inch (Pony Style)....$37.50
30-inch, with draft irons. 55.00
30-inch, with seat and shafts 60.00
35-inch, with draft irons. 70.00
35-inch, with seat and shafts $75.00
40-inch, with draft irons. 85.00
40-inch, with seat and shafts 90.00

Note.—The above prices are for 4-blade cylinders; if 6 blades are desired, add $6.00 to the price of each machine.

Coldwell Demountable Cutter Style (*See illustration above*)

Equipped with two sets of revolving cutter knives.

	With Drawbale and Single Tree	With Seat and Shafts
30 inches	$95.00	$100.00
35 "	120.00	125.00
40 "	145.00	150.00

Pennsylvania Regular Style

25-inch Pony, with wooden rear roller, 4-blade cylinder...$30.00
25-inch Pony, with wooden rear roller, 6-blade cylinder... 36.00
30-inch, with draft irons only 60.00
30-inch, with seat and shafts and side draft attachment.... 72.00
38-inch, with draft irons only 78.00
38-inch, with seat and shaft and side draft attachment.... 90.00

The above prices are for four-blade mowers; if six-blade mowers are desired, add $8.00 to the price of each machine.

Forward Delivery Grass Box, for 30-inch mower.....$18.50
Forward Delivery Grass Box, for 38-inch mower..... 21.00
Grass Box for Pennsylvania Pony Mower, $3.00 each.

WEED BUCKLER or high grass attachment, for 30-inch machine, $22.00; for 38-inch machine, $25.00.

Pennsylvania Grand Horse Mower

Extra wide blades, self-sharpening, heavy rollers, and many distinctive features to recommend it to particular people.

	4-blade cylinder	6-blade cylinder
30-inch cut, with draft iron, no seat or shafts...	$65.00	$73.00
38-inch cut, with draft iron, no seat or shafts...	85.00	93.00
30-inch cut, with seat and shafts	77.00	85.00
38-inch cut, with seat and shafts	100.00	108.00

Freight prepaid free on all Pennsylvania and Coldwell Horse Mowers shipped new from factory within a radius of 100 miles.

Philadelphia Horse Mowers

Eagle 30 inches with seat and shafts $70.00
Eagle 35 inches with seat and shafts 85.00
Eagle 40 inches with seat and shafts 102.50
Philadelphia Draft, Pole only 30 inches 65.00
Philadelphia Draft, Pole only 30 inches 75.00

MISCELLANEOUS MOWERS

Townsend's Glorious Pony Mower

Combines three machines harnessed together which cut a swath 87 inches wide, very easy draught. Price, $250.00 f. o. b. Orange, N. J.

Ideal Power Mower (Gasoline). 35-inch cut. Price, $375.00 f. o. b. Lansing, Mich.

Penna. Motor Mowers. 25-inch cut, $225.00; 38-inch cut, $400.00 f. o. b. Philadelphia.

Coldwell Motor Mower. Style G, 40-inch cut, $500.00. Style F, 35-inch cut, $450.00 f. o. b. Newburgh, N. Y.

TENNIS COURT MARKERS

Junior Line-o-graph. A perfect liquid lime tennis court marker especially designed for private courts, works perfectly on grass or clay. $15.00 each, F. O. B. factory, F. O. B. Phila., $15.50.

Universal Line-o-graph. Like the above but larger adapted for clubs. $30.00 each.

MARATHON TOOL BRACKET (For Mowers)

Comprises a device for fastening to hand lawn mowers a screw driver and oil can, complete equipment for 60c. P. P. Wt., 1 lb.

G AND M LAWN MOWER SHARPENER

Sharpens any hand mower in 10 minutes, a child can work it. Price, 25c. each. P. P. Weight, 1 lb.

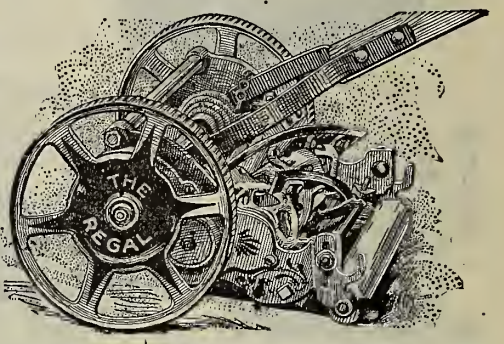
ECLIPSE HAND LAWN MOWERS

These are adjusted with a thumb nut, require no screw driver for the purpose. Absolutely of the best steel.

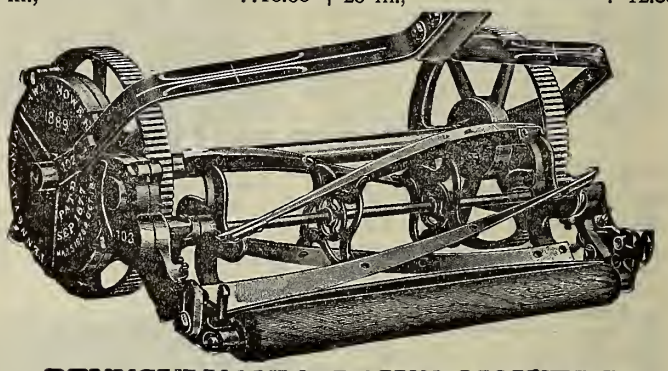
16-inch .....$8.00 | 18-inch $9.00

REGAL BALL BEARING HAND MOWER

This machine is made by the Coldwell factory and has been thoroughly tried out by us the past four years. We are glad to say that it has made good in every way.



14-in., 5-blade cyl., H.W..$9.00 | 18-in., 5 blade cyl., H.W.$11.00
16-in., " " " ..10.00 | 20-in., " " " . 12.00



PENNSYLVANIA LAWN MOWERS

Low wheel, 8-inch diameter.		High wheel, 10½-in. diameter.	
12-inch	8.00	15-inch	$12.50
14-inch	9.00	17-inch	14.00
16-inch	10.00	19-inch	15.50
18-inch	11.00	21-inch	17.00

PENNA. JR. BALL BEARING MOWERS

8-inch or low wheel, 5-blade cylinder, 5½-inch diameter.

12-inch .....$9.00 | 16-inch $11.00
14-inch .....10.00 | 18-inch 12.00

10-inch or high wheel, 5-blade cylinder, 6-inch diameter.

15-inch .....$13.50 | 19-inch $16.50
17-inch ..... 15.00 | 21-inch 18.00

LAWN MOWER SHARPENING

This work is done for us by a competent mechanic, and we can insure entire satisfaction.

Horse Mowers, 25-in. $5.50, 30-in. $7.00, 35-in. $7.00, 40-in. $8.

Hand Mowers, 10 to 17-in. $1.35, 18 to 21-in. $1.60.

Golf Mowers (6 blades). 14 to 18 in. $1.75, 19 to 22 in. $2.00.

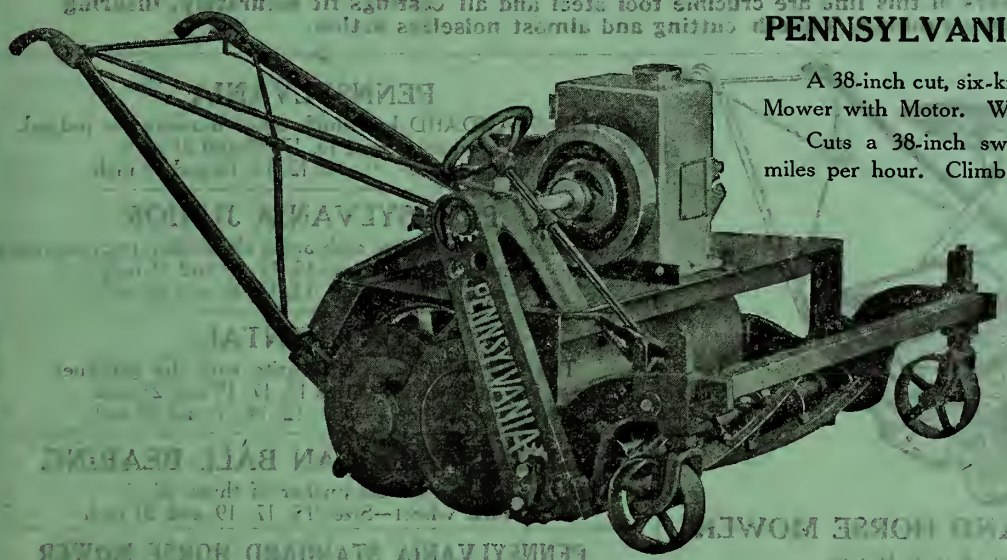
New parts required on repaired mowers supplied at factory prices. Above figures are for sharpening the cylinder and bottom blades only and does not include any new parts that may be needed.

WIRE HORSE MUZZLES, used when mowing lawns or working the garden, 15c. each. P. P. Weight, ½ lb.

PENNSYLVANIA QUALITY LAWN MOWERS

MOTOR
HORSE
and HAND

Self-Sharpening
Easy Running
Economical



PENNSYLVANIA MOTOR MOWER

A 38-inch cut, six-knife Pennsylvania Grand Horse Mower with Motor. Weight, 750 pounds.

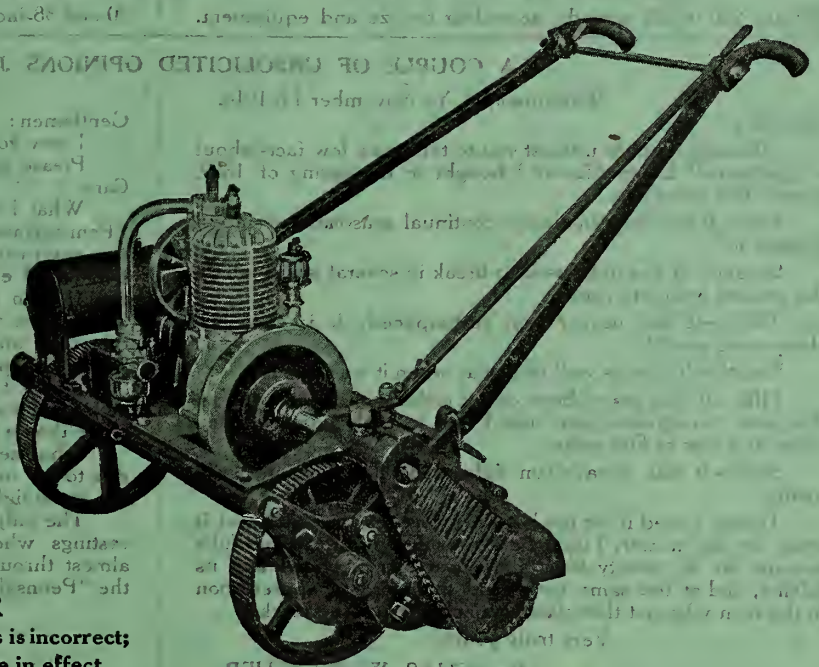
Cuts a 38-inch swath at the rate of one to four miles per hour. Climbs a 33 per cent. grade.

Motor 5 H. P., single cylinder, 3⅝-inch bore, 4-inch stroke, four-cycle water-cooled, throttled friction clutch. Will act as a roller with cutter idle. Costs less than 5 cents per hour for oil and gasoline.

Price F. O. B. Grand Rapids, Michigan, $400.00.

Shipping weight boxed, 1000 pounds.

PENNSYLVANIA PONY MOTOR MOWER



A PENNSYLVANIA QUALITY 25-inch cut, four-knife, mounted with a single cylinder, four-cycle air-cooled 3 H. P. Motor. 2¾-inch bore, 3-inch stroke. Magneto ignition.

Weight, 235 pounds.

Cuts a 25-inch swath at the rate of one-half to four miles per hour.

Climbs a 35 per cent. grade.

Costs less than 3 cents per hour.

Price F. O. B. Grand Rapids, Michigan, $225.00.

Grass Catcher extra, $5.00.

Shipping Weight, 285 pounds.

NOTE CATALOG ERROR

The price in catalog body on the above machines is incorrect; the prices and terms on this circular are those in effect.

HENRY F. MICHELL CO., Philadelphia, Pa.

(SEE OTHER SIDE)

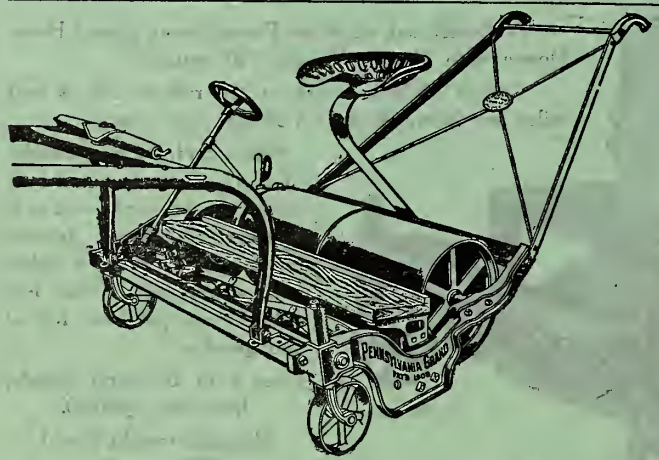
HEADQUARTERS FOR
PENNSYLVANIA LAWN MOWERS

PENNSYLVANIA QUALITY LAWN MOWERS

The Self-Sharpening Line

TRADE-MARK REGISTERED

All blades in all mowers of this line are crucible tool steel and all castings fit accurately, insuring easy running, smooth cutting and almost noiseless action.



PENNSYLVANIA GRAND HORSE MOWER

30 and 38-inch cut, 4 or 6 knives.
Weight 500 to 625 pounds, according to size and equipment.

PENNSYLVANIA

THE STANDARD by which other mowers are judged.
10-inch wheel—Sizes 15, 17, 19 and 21 inch
8-inch wheel— " 10, 12, 14, 16 and 18 inch

PENNSYLVANIA JUNIOR

The ball bearing pattern, embracing all modern improvements
10-inch wheel—Sizes 15, 17, 19 and 21 inch
8-inch wheel— " 12, 14, 16 and 18 inch

CONTINENTAL

The Old Reliable. A favorite with the gardener.
9½-inch wheel—Sizes 15, 17, 19 and 21 inch
7¼-inch wheel— " 12, 14, 16 and 18 inch

GREAT AMERICAN BALL BEARING

The easiest pusher of them all.
10-inch wheel—Sizes 15, 17, 19 and 21 inch

PENNSYLVANIA STANDARD HORSE MOWER

30 and 38-inch cut, 4 or 6 knives. Weight 325 to 425 pounds.

A COUPLE OF UNSOLICITED OPINIONS JUST RECEIVED

Watertown, N. Y., November 14, 1914.

Dear Sirs:

I thought it might interest you to tell you a few facts about a Continental Lawn Mower I bought in the spring of 1889, twenty-five years ago.

First—It has been in almost continual seasonal use since I bought it.

Second—It has been used to break in several lawns where the ground was very rough.

Third—It has never been resharpened. It is the self-sharpening model.

Fourth—It cuts as well to-day as when it was new.

Fifth—It has never been out of order with this exception, that after twenty-five years' use I had to replace the wooden roller at a cost of fifty cents.

Sixth—It has always run lightly and has done its work neatly.

To-day I used it for the last time this season. As I put it away for the winter, I thought it was but fair to so faithful a servant on its twenty-fifth anniversary, to acknowledge its fidelity, and at the same time send this word of appreciation to the men who put that class of machinery on the market.

Very truly yours,

Rev. CHAS. W. FLETCHER.

Springfield, O., November 26, 1914.

Gentlemen:

I saw your "ad" in the *Saturday Evening Post.*

Please send me your book "The Lawn—Its Making and Care."

What I really want to tell you is *my* experience with the "Pennsylvania Lawn Mower" I have a Pennsylvania Mower that was purchased in Delaware, Ohio, in 1884—for $16.00, has been used every season since, and on a good-sized lawn, has never been sharpened but once, and that was against my wishes; this was several years ago. It is still doing business this year, and I have never seen a mower new or old that I would give my old "Pennsylvania" for.

I keep it thoroughly adjusted and let it do its own sharpening. It is almost noiseless, where other mowers make more noise than a motor truck.

It has never cost me but 50 cents for repairs, and that was due to my own carelessness; I broke a small casting by screwing it too tight.

The only thing worn to amount to much are the two end castings where the wooden roller works in, they are worn almost through. There is no mower that can compare with the "Pennsylvania" in my estimation.

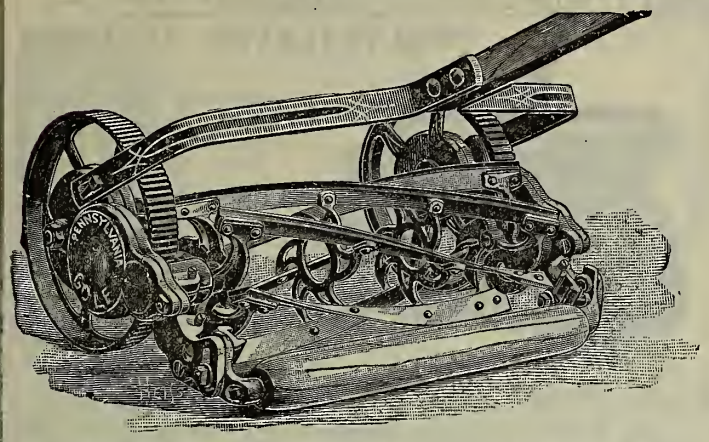
Yours truly,

C. J. LIGGETT,
1413 South Fountain Ave.,
Springfield, Ohio.

HENRY F. MICHELL CO., Philadelphia, Pa.

Headquarters for Pennsylvania Lawn Mowers

(SEE OTHER SIDE)



PENNSYLVANIA GOLF LAWN MOWER

8-inch Low Wheel, 6 Blades. Ball Bearing		9½-in. High Wheel, 7 Blades. Ball Bearing.	
14-inch	$14.00	17-inch	$20.00
16-inch	16.00	19-inch	22.00
18-inch	18.00	21-inch	24.00
8-inch Low Wheel, 6 Blades. Plain Bearing.		**9½-in. High Wheel, 6 Blades. Plain Bearing.**	
14-inch	$12.00	17-inch	$16.50
16-inch	13.50	19-inch	18.00
18-inch	15.00	21-inch	19.50

PENNA. PUTTING GREENS MOWER

Designed for cutting wavy or undulating greens, which are very popular on some courses. It is gear driven, with a seven-inch iron roller in the rear and a wooden roller in the front, to support the machine. The mower can be set to cut as close as ⅜ inch. Equipped with a 6-blade cylinder 5½ inches in diameter.

10-inch cut	$11.00	16-inch cut	$17.00
12-inch cut	13.00	18-inch cut	19.00
14-inch cut	15.00		

COLDWELL'S PUTTING GREENS MOWER

6-blade cylin. no grass catcher.				4-blade cylin. no grass catcher.			
14-in.	$11.50	18-in.	$14.50	14-in.	$9.75	18-in.	$12.75
16-in.	12.50	20-in.	16.50	16-in.	10.75	20-in.	14.75

Grass Catchers for Coldwell Putting Greens Mowers

14-in.	$2.00	16-in.	$2.15	18-in.	$2.30	20-in.	$2.45

COLDWELL'S DEMOUNTABLE CUTTER PUTTING GREENS MOWER

These machines are each provided with two complete sets of cylinder knives. A desirable feature, especially in a golf mower, which makes it impossible for the machine to be out of commission at any time, as the extra cylinder can be put in in less than a minute. The machine is equipped with an iron roller in the rear and in addition, a wheel carriage for transporting the mower from one putting green to the other. The cylinder has six blades. 16-inch, $25.00; 18-inch, $30.00; 20-inch, $35.00.

If the extra cylinder is not wanted, deduct from the above prices as follows: 16-inch, $7.00; 18-inch, $8.00; 20-inch, $9.00.

TOWNSEND GOLF WONDER MOWER

For putting greens this is a Cracker Jack. Price without grass box: 14-inch, $17.00; 16-inch, $19.50; 18-inch, $21.00.

Grass Boxes extra, including metal fan and deflector, for any size Townsend Golf Wonder, $3.00 each.

CONTINENTAL LAWN MOWERS

High wheel, 9½-inch diameter.				Low wheel, 7¼-inch diameter.			
15-in.	$12.50	19-in.	$15.50	12-in.	$8.00	16-in.	$10.00
17-in.	14.00	21-in.	17.00	14-in.	9.00	18-in.	11.00

GREAT AMERICAN MOWERS

10½-inch high wheel. 5-blade cylinder. Ball Bearing.

15-in.	$10.00	17-in.	$11.00	19-in.	$12.00	21-in.	$13.00

PHILADELPHIA LAWN MOWERS

High wheel, style A. All steel.				High wheel, style K.			
15-in.	$10.50	19-in.	$12.50	14-in.	$6.50	18-in.	$7.50
17-in.	11.50	21-in.	13.50	16-in.	7.00	20-in.	8.00

GRAHAM HIGH WHEEL MOWERS

This is an exceedingly fine mower, the best product of the Philadelphia Lawn Mower Co., after whose worthy president it has been christened. Easy running and of best steel.

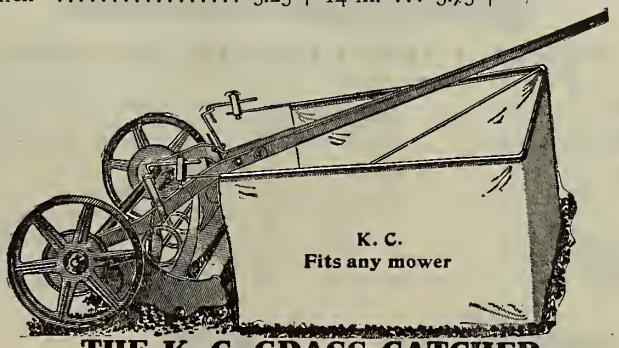
15-inch	$13.00	19-inch	$16.00
17-inch	14.00	21-inch	17.50

NEW DEPARTURE LAWN MOWERS

9½-in. wheel, 4-blade cylinder.		7-inch wheel, 3-blade cylinder.	
15-inch	$7.25	12-inch	$4.50
17-inch	7.75	14-inch	4.75
19-inch	8.25	16-inch	5.25

ELECTRA LAWN MOWERS

9-inch wheel, 4-blade cylinder.		8-inch wheel, 3 blade cylinder.			
14-inch	$4.75	10-in.	$3.25	16-in.	$4.00
16-inch	5.00	12-in.	3.50	18-in.	4.25
18-inch	5.25	14-in.	3.75		



THE K. C. GRASS CATCHER

There always have been makes of mowers on the market that could not be properly fitted with a grass catcher. The K.C. is designed to fit any size or style mower and can be attached or detached in a moment. Made of galvanized iron bottom and canvas sides. Price, 12- to 16-in. size, $1.25 each; 16- to 22-in. size, $1.45.

BRAUN GRASS CATCHERS

For the Pennsylvania, Continental, Great American B. B. and New Departure Mowers.

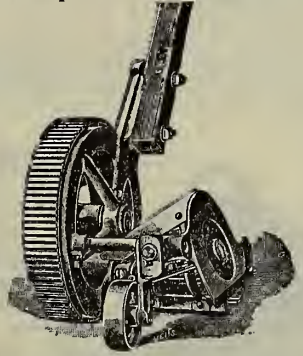
10-in.	$1.50	14-in.	$1.80	15-in.	$1.90	19-in.	$2.10
12-in.	1.60	16-in.	1.90	17-in.	2.00	21-in.	2.25
				18-in.	2.00		

GRASS CATCHERS FOR REGAL MOWERS

14-in.	$1.60	16-in.	$1.70	18-in.	$1.80	20-in.	$1.90

LAWN TRIMMERS

Pennsylvania Undercut Style (see cut). Owing to the conical shaped cylinder and bent side plate this machine will trim *under* fences and closer to walls or tombstones than any other machine now made, and will not scrape or smudge the object against which it is cutting. Ball bearing. $6.00.



Coldwell Trimmer. This is an excellent machine for trimming around flower beds, shrubbery and walk edges. The revolving cutter is 6 inches wide, and cuts within ¼ inch of side obstruction. Price, $5.00.

Pennsylvania Regular Lawn Trimmer, $5.00.

Capitol Lawn Trimmer and Edger, $6.00.

Coldwell Gem Trimming or Border Mowers for cutting grass on steep terraces, around flower beds, etc. 8-inch cut, $5.00.

PENNA. LAWN CLEANER AND RAKE

There is no equipment that can take the place of this indispensable apparatus; the name "comb and brush for the lawn" has often been applied to it. The flexible rake bars are of wood, with steel springs and teeth, they rotate just like a lawn mower cylinder and clean up every particle of leaves, mown grass, litter or rubbish, throwing it into a receptacle or bag in the rear, which is of large capacity.. This can be detached and emptied at will.
24 inch rake .....$16.00 | 36 inch rake $25.00
Apollo Lawn Sweeper. 28 in. width, rubber tires.....$18.00
Phila. Horse Lawn Sweeper. 40 in. width..... 80.00

SOD PERFORATOR

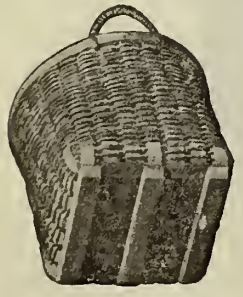
A convenient implement for use in loosening soil where grass is worn out, without actually disturbing the turf bed. The space to be seeded with grass can be made with this device in a perfect seed bed, which will mean a quick growth of grass, after the seed is sown. It is used like a tamper, its own weight being sufficient to properly perforate the ground. Price, $3.00.

Sod Perforator

SOD TAMPERS

When laying sod it is necessary to properly firm it down, so that it will take new root quickly. It is also convenient for firming the soil or lawn on places where a roller cannot be used; made of iron with wood handle, 12 inches square; weight, 26 lbs. Price, $1.25 each.

Sod Tamper

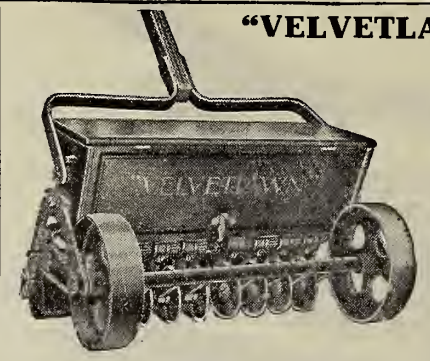


Rubbish Basket

RUBBISH BASKETS

On all large places, on the lawn, in flower and vegetable gardens, a basket for gathering up rubbish and litter will be found a great convenience, especially when it is suited for the purpose. This basket holds 3 bushels and can be carried or wheeled from place to place on a barrow. Price, with rope handles, $1.50 each.

"VELVETLAWN" SEEDERS



An excellent machine for properly sowing grass seed. It places it in the ground in close furrows, covers and rolls it at one operation. The result is an even, quick growth of grass. May also be used for distributing fertilizers. The horse machine is especially valuable for seeding large golf courses, pastures and lawns on private estates; for drilling in clover, alfalfa and similar seeds it works perfectly. Either machine is adapted to sowing either new lawns or old, but the problem of putting seed on old lawns and being sure it is properly covered so it will not blow away, but grow, is solved by these machines entirely. Any light horse handled by a boy can use the larger seeders, while an average man can handle the small machine.

Hand Machine, seeding 16-inch area. Price, $15.00 without press wheels, or $18.00 with press wheels.

Horse Machines

1 horse, seeds 48-inch area, with drag chains.....$45.00
1 " " 48 " " " automatic press wheels.. 55.00
2 " with drag chains 55.00
2 " with automatic press wheels 67.00

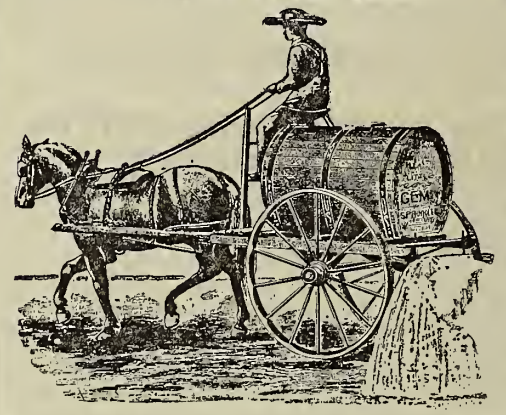
We guarantee these machines to give absolute satisfaction.

THE NEW CHAMPION SOD CUTTER

The best and most satisfactory machine on the market. Sod cutters are now used extensively where any great amount of cutting is to be done; work can be accomplished better with this machine; you can cut as much in one hour as two men all day.
Price, $23.00.

Extra Knives for Sod Cutters .....each $4.50

GEM SPRINKLING CART



One of these carts should be on every country estate, as well as on the farm. They can be used for a multitude of purposes, chief among which is the sprinkling of Roads, carting water for live stock or for planting purposes. When used for the latter, a spigot can be attached to the tank for letting out the water, as required. Will sprinkle an area 18 feet wide; 150 gallons capacity; 4-inch tire wheels. Price, $87.50.

LINK'S LAWN BOOT

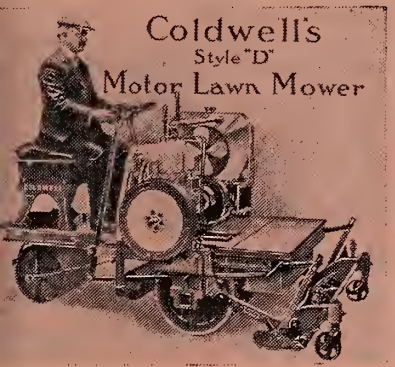
Made of very heavy sole leather, waterproofed and finished black. The sole is substantially reinforced with steel rivets, which make the boot last twice as long as it ordinarily would.

No. 2—5½ inches inside.
No. 4—6½ " "
No. 6—7 " "

Price, per set of four, $9.00.

Special Size Horse Boots made to order. Place the horse's feet on a blank paper, drawing a pencil around it to show size. Price usually not much more than for the ready made.

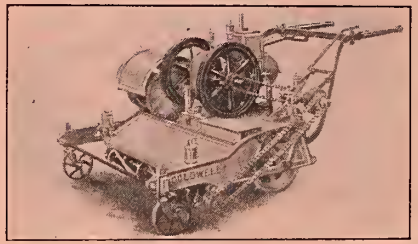
COLDWELL'S COMBINATION ROLLER AND MOTOR LAWN MOWER. MODEL D.



This machine does the work of three horse mowers, with three men to care for same, on one gallon of gasoline per hour; thereby saving the expense of two men and three horses. Stays in order (proved by eleven years' service); expert knowledge not required to operate. Climbs a 25 per cent grade. Thoroughly irons out the lawns while cutting the grass and leaves no hoof prints. No expense when not running. Over 1,000 now being used by the United States Government, Public Parks, Private Estates and leading Golf Clubs throughout the world.

PRICE $1,300

COLDWELL'S COMBINATION ROLLER AND MOTOR LAWN MOWER, MODEL F.



This machine is designed for use on small estates, tennis grounds, etc., not sufficiently large to warrant the purchase or use of one of the larger and heavier machines.

This machine cuts a swarth 40 inches wide, is equipped with a 2 horse power motor, capable of propelling the motor through almost any heighth of lawn grass and up grades as steep as twenty-five per cent. It is also equipped with Coldwell's patented demountable cutting unit. This device is an extra cutter part, composed of the revolving and stationary knives and the necessary parts to carry them, which can be removed from the machine in a few moments and replaced by the other unit, which is shipped with this mower at no extra charge.

It is also equipped with a new patented device for raising the knives when crossing gravel walks, roads, etc., thus protecting them from injury. Clutches are provided to throw the traction rollers, as well as the revolving cutters, in and out of gear. The workmanship and finish of this mower is guaranteed.

PRICE, $475.

LAWN MOWER OIL

Pure oil that will not gum or get sticky is an essential for the satisfactory running of every mower. The oil sold by us has been selected with this point in view.

Prices: Per pint, 15c.; 25c. per quart; per ½ gal., 40c.; 75c. per gal.; 5 gals., $3.00.

Lawn Mower Oil cannot be mailed.

OIL CANS

No.	P. P. Wt. 8 ozs.	
144,	Zinc	$0.20
13,	Bronzed steel	.35
164,	Brass	.40

EMERY

For sharpening Lawn Mowers. Price, 14c. per lb. (by mail, 30c.); 10 lbs., $1.25.

FLAT FILES

For sharpening lawn mowers, etc.

	P. P. Wt.	
8 inch	8 ozs.	$0.20
10 inch	12 ozs.	.25
12 inch	1 lb.	.30

SCYTHES

American, Little Giant, 32 inch	$0.90
" " " 34 "	1.00
" " " 36 "	1.10
Little Giant Brush or Briar	1.00

The Little Giant is the best American-made scythe. It is excellent for field and heavy grass work.

English, 32 in., rivet back, Lawn Style.	$1.25
" 34 " " " " " "	1.25
" 36 " " " " " "	1.35
" 38 " " " " " "	1.35

The English Scythes are best for fine grass or lawn work.

SCYTHE STONES

	Each	Doz.
Talacre, Imported (English)	$0.20	$2.25
Darby Creek	.10	1.10
Carborundum. Very fine	.25	2.50

SCYTHE HANDLES, Etc.

No. 50. Made of hard wood, well finished.

Regular Scythe style	$0.75
Snath Clips	.15

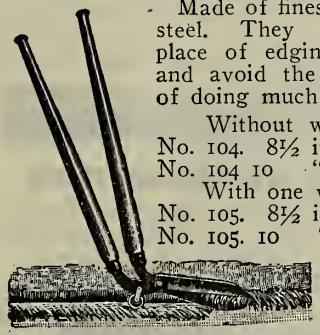
English *Little Giant*

SICKLES or GRASS HOOKS

English Rivet Back, No.	3	$0.60
" " " "	2	.50
" " " "	1	.50
" Solid " "	2	.50
Dutch, small, "	1	.30
" large, "	2	.35
Little Giant		.50
Village Smithy, solid steel		.40

Grass Hooks are not mailable.

LAWN BORDER SHEARS



Made of finest English steel. They take the place of edging knives, and avoid the necessity of doing much stooping.

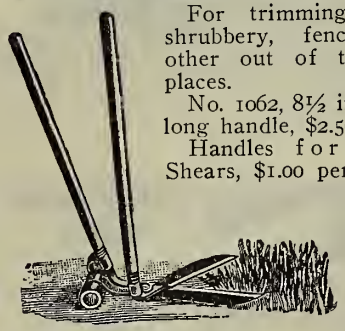
Without wheel.

No. 104.	8½ in.	$2.00
No. 104	10 "	2.50

With one wheel.

No. 105.	8½ in.	$2.50
No. 105.	10 "	3.00

LAWN BORDER SHEARS



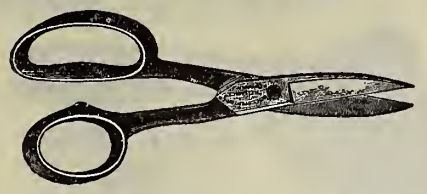
For trimming under shrubbery, fences and other out of the way places.

No. 1062, 8½ in. blade, long handle, $2.50.

Handles for Border Shears, $1.00 per pair.

GRASS SHEARS

No.			P. P. Wt.	
3075.	6 inch,	English	2 lbs.	$1.00
3075.	7 "	"	2 lbs.	1.25
119.	7½ "	Saynor	2 lbs.	1.50
120.	7½ "	Saynor	2 lbs.	1.75
360.	6 "	English	2 lbs.	.75
361.	5½ "		2 lbs.	.60
263.	5½ "	Trowel Shank	2 lbs.	.50
268.	5½ "	Extra Heavy	2 lbs.	.60
273.	American		1 lb.	.35



WIRE AND TIN SHEARS

7 inch, used for cut flower wire, etc.. $0.75
8 inch, used for cut flower wire, etc.. .75
Parcel Post Weight, 1 lb.

10 inch for heavy wire and tin..... 1.10
Parcel Post Weight, 2 lbs.

CUT FLOWER GATHERER

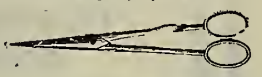
Cuts the stem and holds it without crushing. The heel of the blades cuts thin wire.

	P. P. Wt.	
6 inches long	6 ozs.	$1.00

FLOWER SCISSORS

No. 1922. Cuts flower and holds the stem.
Nickeled, $1.00. *P. P. Weight, 4 ozs.*

GRAPE SCISSORS



			P. P. Wt.	
No. 6148.	6	inch	8 ozs.	$0.90
No. 6148.	6½	"	8 ozs.	1.00
No. 6148.	7	"	8 ozs.	1.10
No. 6148.	8	"	8 ozs.	1.25

CROSS CUT LOG SAWS

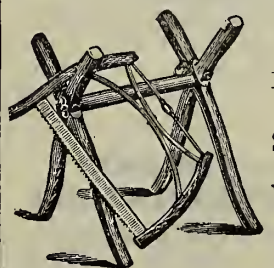
Great American style, of best steel.

One Man, 3½ ft. blade	$2.00
Two Man, 5 ft. blade	2.50

CARPENTER SAWS

When ordering state if rip or cross cut is wanted.

Disston No. 8—26 inch blade	$1.85
Disston No. 8—28 inch blade	2.00



BUCK SAW

Each $0.85

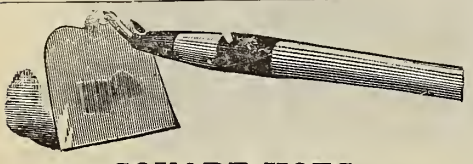
SAW-HORSE or WOOD BUCK

Each $0.60

HALF MOON HOES

Best steel, solid sockets, which will not pull out.

No. HM3.	3-inch	.....	$0.35
" HM4.	4 "	.....	.40
" HM5.	5 "	.....	.45
" HM6.	6 "	.....	.50
" HM7.	7 "	.....	.55
" HM8.	8 "	.....	.60

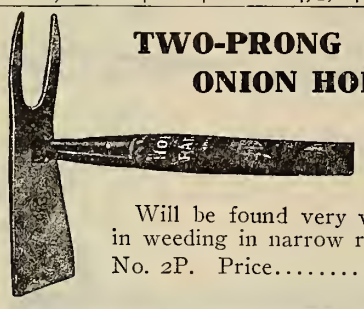


SQUARE HOES

No. G06.	6-inch, solid shank	.....	$0.45
" G07.	7 " " "	.....	.50
" G08.	8 " " "	.....	.55

SQUARE CELERY HOES

No. 010, 10-in..$0.80 | No. K14½, 14-in.$1.25



TWO-PRONG ONION HOE

Will be found very valuable in weeding in narrow rows.

No. 2P. Price.....$0.45

WARREN HOES

Excellent tools for making drill preparatory to sowing of seed. The backs can be used for covering.

No. W7 .....$0.65 | No. W8 .....$0.75

BATEMAN FIELD HOE

For digging up stubble, small stumps, etc.

No. 1.	5½-inch blade, each	.....	$1.10
No. 2.	6½ " " "	.....	1.25
No. 3.	8 " " "	.....	1.40

TOMATO TRANSPLANTING HOE

No. 41. Avoids kneeling when planting. Made of best steel. Price, 60c.

SCUFFLE HOES

Made of best English steel.

4-inch	.....	$0.50	
5-inch	.....	.55	
6-inch	.....	.65	
7-inch	.....	$0.70	
8-inch	.....	.75	
10-inch	.....	1.00	

THE HILTON HOE

This is the best garden hoe for weeding ever offered. It works both ways and there is no lost motion, does very quick work. 8-inch blade.

Price $0 70

BRUSH OR BRIAR HOOK

No. 43. Steel cutting blade, long handle.

Price $0.65

STEEL HEDGE KNIVES

For cutting heavy brush, shrubbery, hedge, etc. Made of the finest steel with a slight hook on blade. Each, $1.00.

ENGLISH BILL HOOKS

For trimming heavy shrubbery, trees, etc. *P. P. Weight, 4 lbs.*

Short handle	.....	$1.25
Long handle	.....	2.00

GRAFTING TOOL

Best English steel for grafting trees, etc.

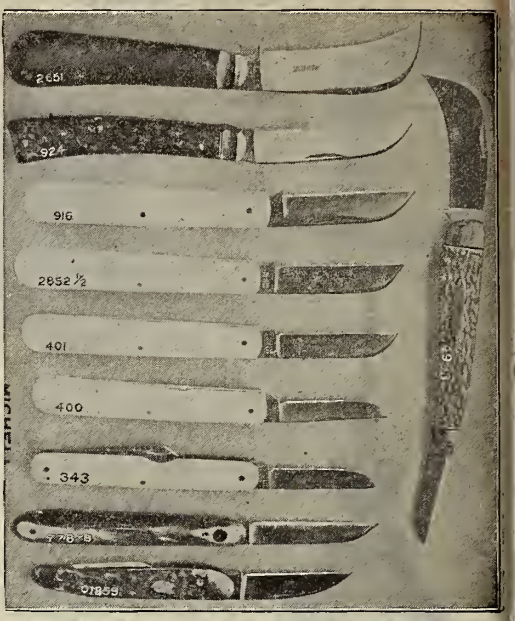
With Wood Handle	.....	$0.75
All Steel	.....	.60

Parcel Post Weight, 1 lb.

GRAFTING WAX

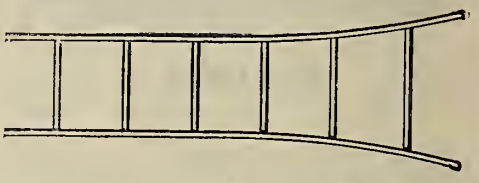
¼ lb., 10c.; 15c. ½ lb.; 1 lb., 25c.; $1.10 per 5 lbs.

Our Garden Tool Department we believe to be the most fully equipped of any seed store in the United States. Most every tool of real merit for garden work will be found here, and of the best quality.



HORTICULTURAL KNIVES

No. 400.	Saynor Budding, 1 blade..		$1.50
" 401.	" " 1 " ..		1.50
" 343.	" " 2 " ..		1.75
" 778B.	German " 1 " ..		.75
" 04993.	" " and Pruning, 2 blades.....		1.00
" 2852½.	German Budding, 1 blade..		1.00
" 924.	English Pruner, 1 blade..		1.15
" 928.	" " (large)..		1.50
" 105.	German Pruner, 1 blade (See old No. 2651)...		.75
" 303.	Saynor Stag, 2 blades..		1.25
" 727W.	German Budding, 2 blades		1.00

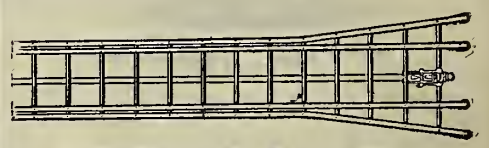


SINGLE PLANK LADDERS

Made of good hard wood, free from faulty knots; with perfect rounds.

10 ft.	.....	$2.50	
12 ft.	.....	3.00	
14 ft.	.....	3.50	
16 ft.	.....	$4.00	
18 ft.	.....	4.50	
20 ft.	.....	5.00	

Larger sizes up to 24 ft. at 25c. ft.



EXTENSION LADDERS

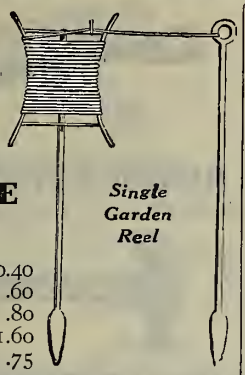
These are made in the best manner possible, are complete, being equipped with the necessary rope and pulleys.

16 ft.	.....	$4.80	
18 ft.	.....	5.40	
20 ft.	.....	6.00	
22 ft.	.....	6.60	
24 ft.	.....	7.20	
26 ft.	.....	$7.80	
28 ft.	.....	8.40	
30 ft.	.....	9.00	
32 ft.	.....	9.60	
34 ft.	.....	10.20	

36 to 44 ft. size at 28c. per foot.

MICHELL'S LAWN AND GARDEN TOOLS, Etc.

GARDEN REELS



Small, Single ..$0.50
Medium, Single .75
Large, Single... 1.35
Large, Double.. 2.00.

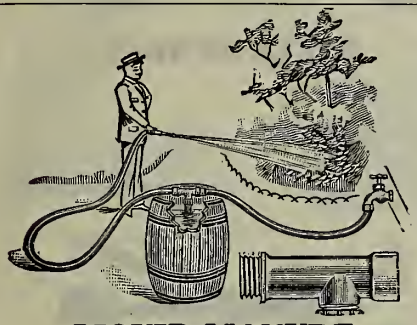
Single Garden Reel

GARDEN LINE

Best Italian hemp.

	P. P. Wt.	
60 ft.....	1 lb.	$0.40
90 ft.....	1 lb.	.60
120 ft.....	1 lb.	.80
300 ft.....	3 lbs.	1.60
100 ft. braided.	1 lb.	.75

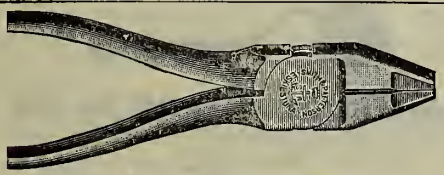
Plow Line Cotton, 45-ft. hanks, 40c.



LIQUID MANURE DISTRIBUTER

This can be attached to hose with which you are watering and, connected with a barrel of liquid manure, the suction of water will draw a quantity of manure with it. All brass.

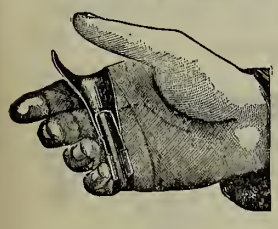
Price, $1.75 each. (*Parcel Post Weight, 2 lbs.,* $1.90.)



STEEL PLIERS

No.		P. P. Wt.	
1133	Side cutting 6 in.....	1 lb.	$0.80
1133	" " 7 in.....	1 lb.	1.00
1195	" " Button 8 in..	1 lb.	.60

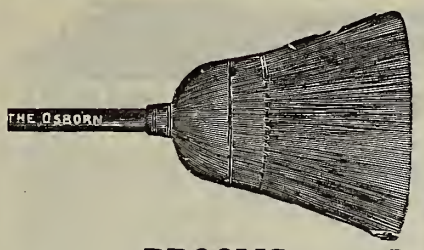
No. 15 HUSKING PINS



Made entirely of metal and can be adjusted to fit any sized hand. 15c. each; per doz., $1.60. *P. P. Wt., 4 ozs. each.*

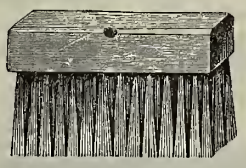
CORN KNIFE

No. 42. **Eureka,** bent blade.....$0.50
Parcel Post Weight, 2 lbs.



BROOMS

	Each	Per Doz.
No. 230. Japanese Fibre (see cut)	$0.60	
No. 8. Corn and Rattan, mixed	.60	
Golf Greens (birch)	.30	$3.00
No. 7. Plain Corn, extra quality	.45	



Rattan Broom

ROAD BRUSHES (With Handles)

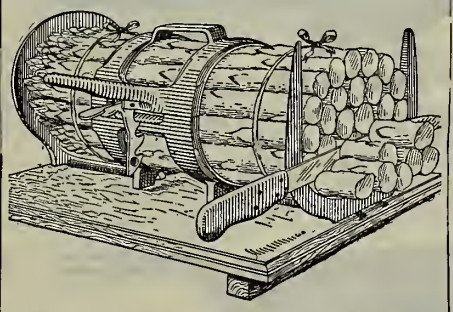
No. 271. Rattan Push, 14 in. (see cut) $0.75
No. 0286. Bass or Cocoa Push, 14 in. .75

TREE OR BARK BRUSHES

For brushing down trees, for removing insects, borers, etc., made of steel.
Price, 8½-inch, 30c.

WHITEWASH BRUSH

No. 8. Very best quality made. 7 in., each, $1.35. *P. P. Wt.*



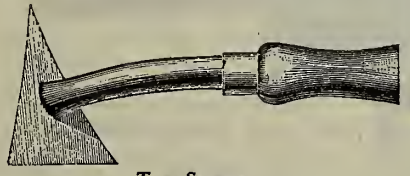
ASPARAGUS BUNCHERS

Even where one has a limited amount of asparagus to market it pays to use a buncher. It is quickly tied and looks uniform.

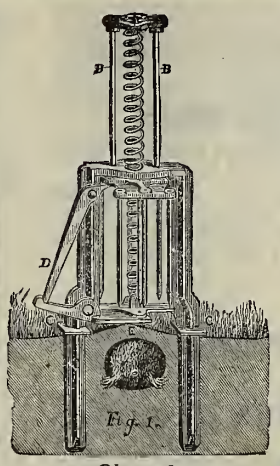
Price, with Knife Guard, $1.75.
Parcel Post Weight, 7 lbs.

ASPARAGUS KNIVES

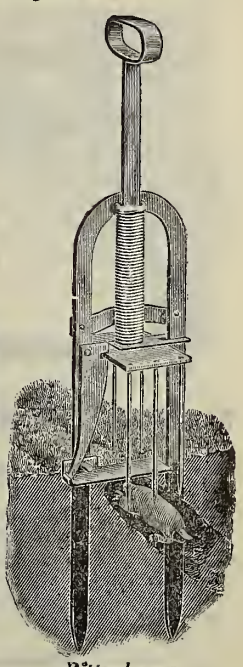
No.		P. P. Wt.	
45.	**Batemans** (see cut).....	1 lb.	$0.35
399.	**American.** V-shaped blade	1 lb.	.45



Tree Scraper



Olmsted



Rittenhouse

MOLE TRAPS

	Each
English, for hot beds	$0.40
Parcel Post Weight, 2 lbs.	
Olmsted	1.50
Rittenhouse	.75
Reddick	1.00

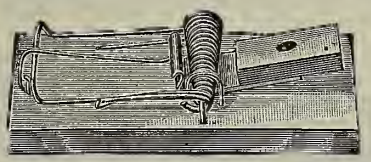
P. P. Wt. of the above, 3 lbs.

Complete Booklet on the Habits of the Mole mailed *free,* or included with each Mole Trap if asked for at time of ordering.

Reddick

HOW TO CATCH MOLES

Always press down the mound when setting the trap so that the lever which sets off the trap is level with the ground. Set the trap in the evening as moles usually stir about very early in the morning.



Out-O-Sight Rat Trap

OUT-O-SIGHT TRAPS

The most satisfactory mouse and rat trap. Set off at the least vibration.

	P. P. Wt.	Each	Doz.
Mouse	8 ozs.	$0.10	$1.00
Rat	1 lb.	.25	2.50

TREE SCRAPERS

For removing loose bark from trees prior to spraying. Steel blade may be detached and sharpened. No. 5, short handled, 60c., *Parcel Post Weight, 1 lb.* Long handled, $1.00. Not mailable.

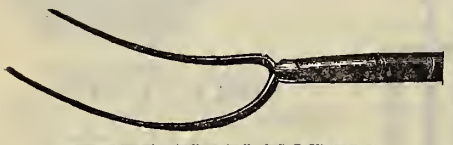
SPADING FORKS

Strapped shanks, short or D-wood handle. Made of best quality steel.

No. OHW. Men's, 4 tine $1.00
No. O5HW. Men's, 5 tine 1.15
No. B4D. Boys' or Ladies', 4 tine.... .60

MANURE FORKS Strapped Shanks

No.		Price
04W	—4 tine, light, short handle	$0.85
163	—4 tine, heavy, short handle	1.35
05W	—5 tine, medium, short handle	1.25
06W	—6 tine, medium, short handle	1.35
044½	—4 tine, long handle	.90
054½	—5 tine, long handle	1.10



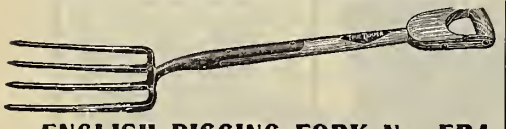
STEEL HAY FORKS

Equipped with strapped shanks.

	2 Tine		3 Tine
No. 025.	5-ft. handles. $0.80	No. 035.	$0.90
No. 026.	6-ft. handles. .90	No. 036.	1.00
No. 027.	7-ft. handles. 1.00	No. 037.	1.10

HICKORY STABLE FORKS

Excellent to use for tossing straw or litter in stables. No danger of injuring animals by sticking. Prices: 3 tine, long handles, 85c.; 4 tine, long handles, $1.00.



ENGLISH DIGGING FORK No. EB4

Though made in America, it is made exactly after the pattern of Garden Forks such as are made and used in England. The prongs are solid steel and square instead of rounded edges, which adapts it especially for digging in heavy soil, in which it works with ease. Every gardener should add one of these to his collection of tools, as we know it will give him splendid satisfaction. $1.75 each.

SHOVELS

We handle only the very best makes of steel shovels. Every one is guaranteed to give entire satisfaction.

Short Handle

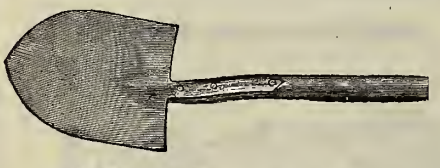
Ames, round point $1.40
" square point 1.40
Maynard, solid socket, square point.. 1.40
" " " round " .. 1.40
Imperial, round point 1.00
" square point 1.00

IMPLEMENT HANDLES

		Each
Axe		$0.20
Spade, plain		.35
Fork Spading, plain		.35
" Manure "	short	.35
" " "	long	.25
" Hay "		.20
" Boys' "		.25
Shovel, short "		.35
" long "		.25
Spade, short "		.35
" long "		.25
Hoe "		.10
Rake, Garden "		.10
" Lawn "		.10
Pick or Mattock "		.25
12 foot Poles		.50
14 " "		.80
16 " "		1.00

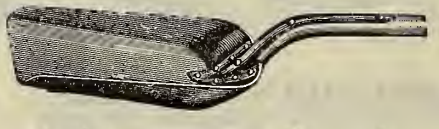
MANURE DRAGS

For manure, potatoes, etc. Flat tines. No. 4BHFM. 4 tine, 60c. No 6BOH. 6 tine, 80c.



SHOVELS Long Handle

Ames, round point $1.40
Imperial, round point 1.10
" square point 1.10
Featherweight, 4¼ lbs., round point 1.25
Maynard 1.40

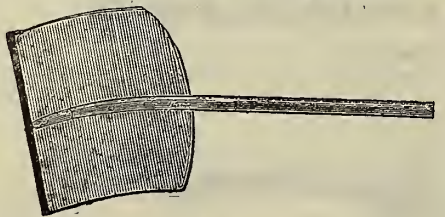


STEEL SCOOP SHOVELS

All equipped with strapped shanks, wood D or short handles.

No. 2, 10 inch mouth $0.90
" 3, 11 " " 1.00
" 4, 11½ " " 1.10
" 5, 12 " " 1.15
" 6, 13 " " 1.20

SNOW SHOVELS



Adams, wood (see cut), wood-D handles $0.60
Phillips, wood, long handle ..... .50

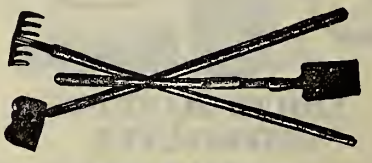
REDDICKS POTATO SCOOP

Made of heavy steel wire.....$1.75

STEEL HAMMERS Price, 65c. ea.

STEEL SPADES

Ames $1.40
Maynard 1.40
Imperial 1.00
Long Handle 1.00
Nursery 1.75
Drain 1.35
Boys' ..... .85

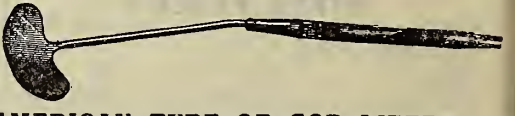


GARDEN SETS

For ladies and children, in fact they are suitable for the country gentleman, consisting of 1 hoe, 1 rake and 1 spade. No. 3PF. Large size, per set, $1.00; small size, per set, 60c.

ENGLISH TURF IRON No. 275

For lifting sod and turf. Best steel; will last a lifetime. $4.00 each.



AMERICAN TURF OR SOD LIFTER

A convenient device for lifting sod; steel blade, with an 18-inch steel shank and wood D handle. Price, $1.25 each.

KELLY PERFECT AXES

Medium $1.10
Boy's ..... .85

HATCHETS

F. R. Plumb, heavy...$0.70

STEEL GARDEN RAKES

Made of best cast steel, with long teeth for penetrating the ground.

No.	Tooth		No.	Tooth	
6	6	$0.45	12	12	$0.55
8	8	.45	14	14	.60
10	10	.50	16	16	.65

STEEL GRAVEL RAKES

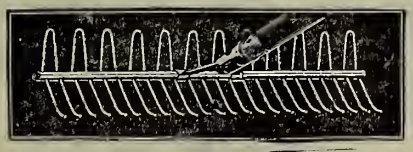
These rakes are used for road-raking and for paths. Having very short teeth they do not gather up stones or gravel.

No.	Tooth		No.	Tooth	
G 12	12	$0.55	G 16	16	$0.65
G 14	14	.60	G 18	18	.70
No. 20	20 tooth	$0.80			

STEEL BOW RAKES

Preferred by many to the regular garden rake. The teeth are slightly bent toward the operator.

No.	Tooth		No.	Tooth	
B 11	11	$0.60	B 13	13	$0.65
B 15	15 tooth	$0.70			



WIRE LAWN OR GRASS RAKE

Made of heavy tinned steel wire. These are excellent for lawn or walk work. The rake is reversible and will answer several purposes.

No.	Tooth		No.	Tooth	
124 R	24	$0.50	36 LR	36	$0.75

AMES WOODEN RAKES

Tooth very close, for putting greens, etc. 75c.

30X. 14 tooth, wood bows $0.55
36X. 24 tooth, wood bows. For lawns. .70
37X. 24 tooth, steel bows. For lawns. .80

WOODEN HAY AND LAWN RAKES

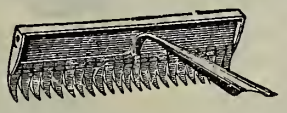
Made of best material, braced with wire rods.

14 tooth, oak, all wood $0.50
14 tooth, hay, wire braced ..... .30
20 tooth, field, wire braced ..... .35

OLE OLSEN LAWN RAKES

This rake head is slightly curved from the centre to each end which does not allow any material that has been caught by the teeth to slip around the edges.

26 tooth, hickory wood. Price, 50c.



DAISY RAKE No. 9

For removing dandelion and other obnoxious growth from lawns and fields. Made of finest English steel.

16 tooth ....$3.00 | 20 tooth $3.50

LAWN KING RAKES No. 210

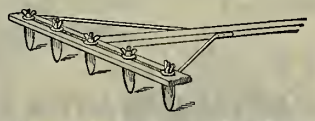
Made of best hard wood, thoroughly braced with iron. The most excellent wooden lawn rake in the market.

22	tooth	$0.30	38	tooth	$0.75
26	tooth	.50	50	tooth	1.00

UTO. LAWN RAKE No. 205

This rake is fitted with an unloading head. While raking this head lies forward, and upon pressing the rake forward the unloading head moves backward, cleaning out the raking head entirely.

22	tooth	$0.50	38	tooth	$0.90
26	tooth	.60	50	tooth	1.35



MARKING RAKES

These are for marking out garden rows; adjustable brass teeth, which are set for any width row desired up to 4½ ft. Price, $5.50. (Extra teeth, 50c. each.)

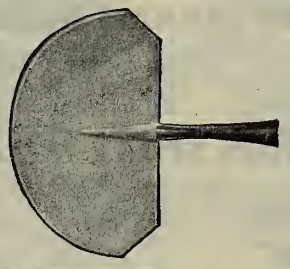
HOE AND RAKE (COMBINED)

An excellent tool for ladies, combining simplicity and utility. Made of the very best steel, which will outlast several cheaper tools of the same class.

No. 4P. 4-prong $0.50
No. 6P. 6 " .... .60

LAWN SHOVEL AND EDGER

The most perfect tool for cleaning out and edging up the sides of cement walks. This is the only tool of its kind found so far to be practical. It is made of the best steel, is very sharp and can be resharpened readily when dull. Price, 85c. each.



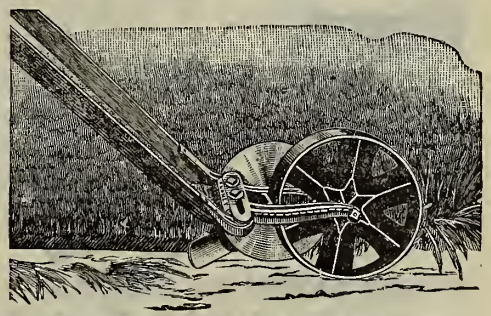
EDGING KNIVES (with handles)

For trimming edges of paths, etc.

Mehler Edging Tool	$1.25
No. 040. American	.60
English, 8 inch	1.50
English, 9 inch	1.75
McNiece, 8 inch	1.00
McNiece, 9 inch	1.10

MEHLER'S COMBINATION

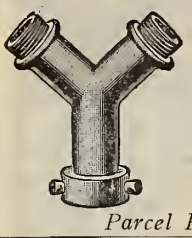
Hoe, cultivator and soil pulverizer combined. Just the thing for celery culture, $1.00.



PLANET JR. GRASS EDGER

The Planet Jr. Grass Edger will edge either straight or curved work, paths, drives, open borders or flower beds, doing the work well and rapidly. Price, $6.00.

No. 68 SIAMESE HOSE CONNECTION



This permits one lead of hose to be diverted in two directions. Additional three-way connections can be used according to the water pressure. It is specially adapted for lawn sprinkling. Price, 75c. each.

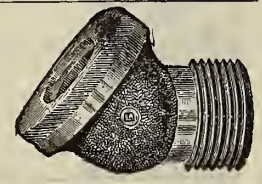
Parcel Post Weight, 1 lb.

HOSE REDUCERS

For reducing 1-in. pipe to fit regular ¾-in. hose. All brass. Each .....30c.

Parcel Post Weight, 1½ lbs.

HYDRANT ATTACHMENTS



To be used for attaching hose to smooth faucets.

Royle Style.

Parcel Post Weight, ½ lb.

Boyd Style.

Price .....—

Parcel Post Weight, ½ lb.

PLAIN STREAM NOZZLES

For ¾-inch hose.

	P. P. Wt.	Price
5 inch	4 ozs.	$0.25
6 inch	6 ozs.	.30
7 inch	8 ozs.	.35

BOSTON SPRAY NOZZLE

These render the same service as does the rose of a watering can. They are screwed on the end of the hose like any other nozzle. Coarse and fine, for ¾-inch hose.

	P. P. Wt.	
Light Copper	½ lb.	$0.60
Heavy Brass	1 lb.	1.00

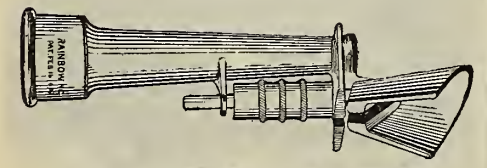
BOSS HOSE NOZZLES

Price, 45c. each.
For ¾-inch hose.
P. P. Wt., ½ lb.

GEM HOSE NOZZLE

¾-inch hose. Can be regulated to give three different streams. Price, 35c.

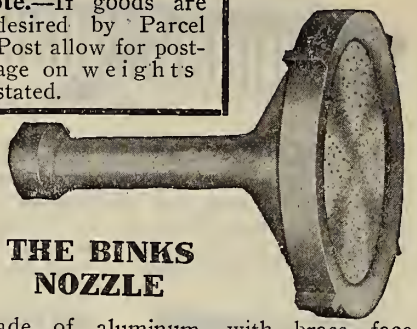
Parcel Post Weight, ½ lb.



GREENHOUSE NOZZLE

An all brass device with an adjustable arrangement, which regulates in a perfect manner the character of the stream this nozzle will throw. Florists consider it one of the very best on the market to-day. For ¾-inch hose. *Parcel Post Weight, 1 lb.* Price, $1.75.

Note.—If goods are desired by Parcel Post allow for postage on weights stated.



THE BINKS NOZZLE

Made of aluminum, with brass face, equipped with interchangeable sprays, coarse and fine. It makes watering possible without wetting the hands. Positively the best and most indestructible nozzle made. $2.50 each; worth twice the price. *Parcel Post Weight, 1¼ lbs.*

WATER CANS (Wotherspoon's)

Extra heavy with long spout. Will last for years.

Each Wotherspoon can comes equipped with two roses, one coarse and one fine.

		Round	Oval
2 quart	(equipped with one rose only)	$1.15	
	Parcel Post Wt., 2½ lbs.		
4	"	1.60	
6	"	1.85	$2.10
8	"	2.00	2.35
10	"	2.25	2.60
12	"	2.60	2.85
16	"	3.15	3.50
12	" **Manure Watering Can**		2.75
4	" **Fern or Low Watering Can**		1.50

The above Watering Pots (except as noted) cannot be mailed.

EXTRA ROSES OR SPRAYS

For Wotherspoon Watering Can, either coarse or fine, 35c. each.

Parcel Post Weight, 8 ozs.

ENGLISH WATERING CANS

Made of very heavy tin; carefully enameled inside and out; finished light green. English Watering Pots are not mailable.

No. 2, 4 qt.	$2.00	No. 3, 6 qt.	$2.25
No. 4, 8 qt.	2.50	No. 5, 10 qt.	2.75

GALVANIZED WATER CANS

Fine for cemetery purposes and other places where a can is desired to last several seasons. (Not mailable.)

4 quart	$0.35	12 quart	$0.70
6 "	.45	16 "	1.00
8 "	.55	20 "	1.25
10 "	.60		

LIGHT TIN WATER CANS

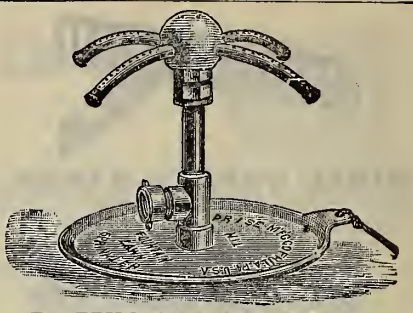
1 quart, green.....$0.25
Parcel Post Weight, 1 lb.

2 quart, green..... .30
Parcel Post Weight, 1¼ lbs.

4 quart, green..... .35
Parcel Post Weight, 1½ lbs.

RUBBER APRONS

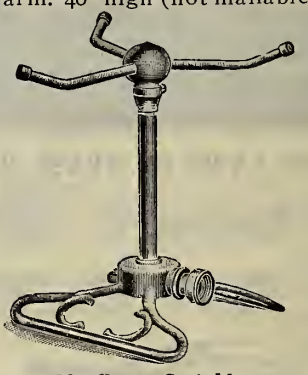
For protecting the clothing while watering or doing any work in the garden where your clothes could become soiled. *Parcel Post Weight, 2 lbs.* Price, $1.75.



LAWN SPRINKLERS

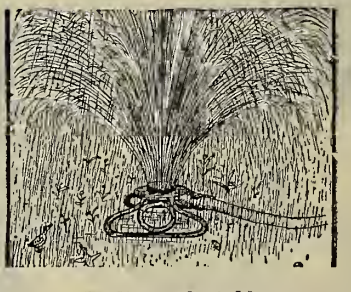
		Weight	Price
Enterprise.	No. 1. See cut.	14 lbs.	$3.75
Enterprise.	No. 2. 8"	14 lbs.	3.00
Ring.	Large, see cut	1 lb.	.75
Ring or Fountain.	Small	¾ lb.	.50
Hotchkiss.	No. 5. 10½" high	4 lbs.	1.00
Pluvius.	11" high	3¼ lbs.	1.25

		Weight	Price
Elgin.	3½" high	3 lbs.	.75
Universal.	No. 65. 10" high.	4¼ lbs.	1.50
Lawn Twin.	Aluminum	½ lb.	.50
Eureka.	No. 55. 10" high	3 lbs.	1.25
Aetna.	24" high	6¼ lbs.	1.75
Peck.	4 arm. 40" high (not mailable)		3.25



Mayflower Sprinkler

		Weight	Price
Peck.	8 arm. 40" high (not mailable)		3.75
Mayflower.	9½" high	3½ lbs.	1.00
Preston.	5½" high	3½ lbs.	1.25
Waterwitch.	8¾" high	1 lb.	.50
Victor.	3½" high	1 lb.	.75
C. B. G.	For golf links	¾ lb.	.25
Pennsylvania Rainmaker			25.00



The Victor Sprinkler

Add postage, if Lawn Sprinklers are desired by mail, where weight is given.

HOSE

Our stock of this is unusually reliable. Our very large sales enable us to deal direct with the factory, where we obtain lowest prices, which we in turn give our customers the benefit of. Sections of hose in lengths of 25 feet and upward coupled free; smaller sections, couplings attached, 15c. per pair.

RUBBER HOSE

	Weight per foot	Per foot
Standard, ¾-in., 4-ply	5 ozs.	.12
Reliable, ¾-in., 3-ply	5 ozs.	.14
" 1-in., 3-ply	7 ozs.	.22
" ¾-in., 4-ply	6 ozs.	.17
" 1-in., 4-ply	8 ozs.	.27½
" ½-in., 4-ply	4 ozs.	.13
***Michell's Special,** ¾ in.	5 ozs.	.16½
***Electric,** ¾-in.	5 ozs.	.18¼
***Electric,** ½-in.	4 ozs.	.16½
***Revero,** ¾-in.	5 ozs.	.18
***Revero,** ½-in.	4 ozs.	.16
Bull Dog, ¾-in., 7-ply	6 ozs.	.16½
Spray Pump Hose, ⅜-in.	3 ozs.	.12

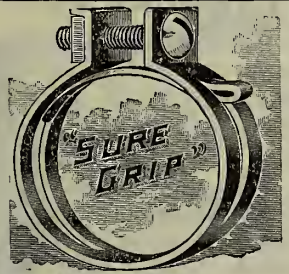
P. S.—Brands marked * come in reels of 500 feet and sections in any length to that number of feet may be had.

25- and 50-foot sections of hose coupled free. Smaller sections coupled at the rate of 15c. per pair for couplings.

Hose Washers. For inside and outside of couplings. 8c. doz.; ¼ lb., 30c.

Hose Protectors. For putting on corner post to prevent hose rubbing and chafing. 30c. each; doz., $3.00.

Caldwell Band as applied to Hose



HOSE BANDS

For fastening couplings and menders.

No.	CALDWELL'S	Doz.	100
8	For 3-ply hose	$0.18	$1.00
6	For 4-ply hose	.18	1.00

P. Post Weight, doz., ¼ lb.; 100, 2¼ lbs.

HUDSON'S

See illustration in Hudson Hose Mender Outfit cut opposite.

	Doz.	100
¾-inch	$0.18	$1.00
1-inch	.20	1.25

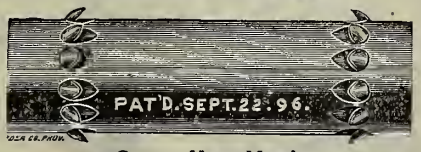
P. Post Weight, doz., ¼ lb.; 100, 2¼ lbs.

SURE GRIP

¾-inch, 5c. each; per doz., 50c.

P. Post Weight, doz., 1 lb.; 100, 9½ lbs.

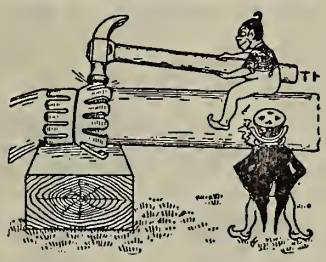
HOSE MENDERS



Cooper Hose Mender

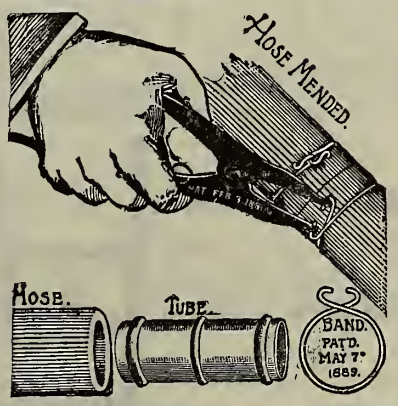
	P. P. Weight Doz.	Each	Doz.
Cooper's, ¾"	1¼ lbs.	$0.10	$1.00
" ⅝"	1 lb.	.10	1.00
" ½"	1 lb.	.10	1.00
Jones', ¾" (iron)	2¼ lbs.	.05	.50
Hudson's, ¾" (brass)	½ lb.	.04	.42
" ½" (brass)	6 ozs.	.04	.42

THE PERFECT HOSE MENDER



Made entirely of brass, with swivel motion — no band required. For ¾ inch hose, 10c. each; doz. $1.00.

Parcel Post Weight, per doz., 1¾ lbs.



HOSE MENDING OUTFIT

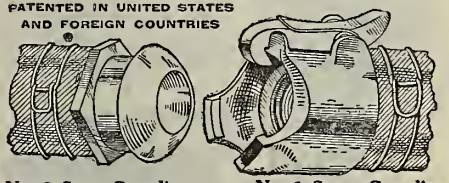
(For ¾-inch Hose)

Furnishes a complete outfit, consisting of 6 menders or connections, 18 bands or fasteners, and a pair of pliers for fastening bands. Price, 65c. each. *P. Post Wt., 1 lb.*

BRASS HOSE COUPLINGS

		P. P. Weight Doz.	Pair	Doz.
½	inch	3¼ lbs.	$0.15	$1.60
¾	"	4 lbs.	.15	1.60
1	"	5 lbs.	.35	4.00

PATENTED IN UNITED STATES AND FOREIGN COUNTRIES



No. 2 Snap Coupling — No. 1 Snap Coupling

SNAP HOSE COUPLING

Snap Couplings are entirely new and novel. They couple hose instantly, work on a spring, and are water-tight. 25c. pair; doz. pairs, $2.75. (Washers, 20c. doz.)

Parcel Post Weight, per doz., 2½ lbs.

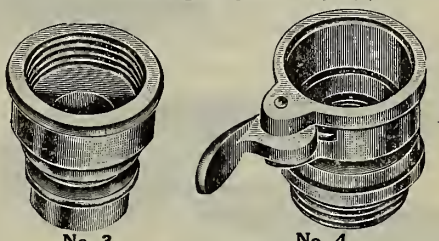
SNAP COUPLING PARTS

No. 2—Male. 8c. each; per doz., 85c.

Parcel Post Weight, per doz., 1¼ lbs.

No. 1—Female. 17c. each; per doz., $1.90.

Parcel Post Weight, per doz., 1¼ lbs.



No. 3 — No. 4

ACME HOSE COUPLINGS

For quickly connecting and detaching hose.

No. 3 part, for attaching to spigot. 15c. each; doz., $1.50.

Parcel Post Weight, per doz., 3 lbs.

No. 4 part, for attaching to hose. 25c. each; doz., $2.50. *Weight, doz., 3 lbs.*

Couplings complete, consisting of one No. 3 and one No. 4 part, 35c. each; per doz., $3.75. *Weight, per doz., 6 lbs.*

HOSE REELS

Reels are not mailable.

WIRT'S (All Iron)

No.	Capacity	Price
10	100 ft.	$2.75
20	150 ft.	3.25
30	400 ft.	5.00

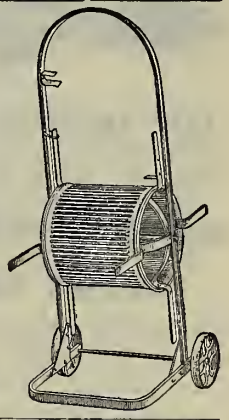
VICTOR HOSE REEL

With galvanized drum

Holds 100 ft. ¾-in. hose. See cut, $1.75.

WOODEN HOSE REEL

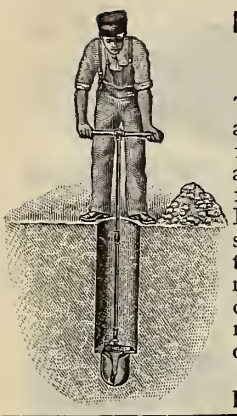
Capacity, 50 ft...$0.75



NOZZLE HOLDERS

For sticking in the ground while one continues with other work. Made of galvanized heavy wire. Price, 15c. each.

Parcel Post Weight, 8 ozs.



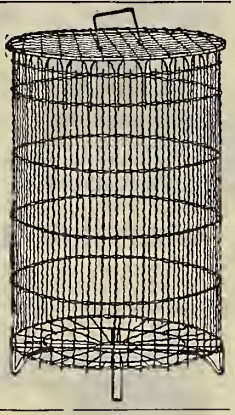
No. 8 POSTHOLE DIGGER

(See Cut)

This is really an earth auger, bores a hole 3½ ft. deep and can be adjusted in diameter from 8 to 14 inches. It can be emptied instantly, it is made of the finest steel and a man with one of these can do 3 times as much work as with an ordinary digger. $3.50

No. 15 Eureka Posthole Diggers, $1.

RUBBISH CONSUMERS



Made of heavy galvanized wire, an indispensable arrangement for burning rubbish, paper, leaves, etc., without endangering property. Will last a lifetime.

	Diam.	High	Price
A,	12 in.	x 18 in.	$1.25
B,	15 in.	x 22 in.	1.50
C,	18 in.	x 26 in.	1.75
D,	21 in.	x 31 in.	2.50

PICKS (Price includes Handle)

All steel. Double point, 80c.; axe point, 90c.

MATTOCKS (Price includes Handle)

Axe pointed (see cut)	$1.00
Pick pointed	1.00
Half Mattocks or Grub Hoes	.85

COE MONKEY WRENCHES

For machinery. Made of first quality hard steel. 8-inch, 60c.; 10-inch steel, 75c.

CHAMPION SCREW DRIVERS

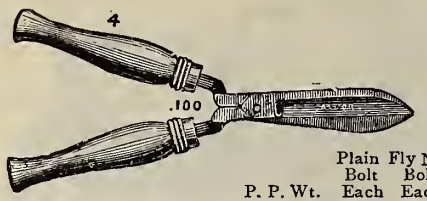
	P. P. Wt.	
No. 23—4-inch blade	1 lb.	$0.25
No. 23—6-inch blade	1 lb.	.35
No. 23—8-inch blade	1 lb.	.45

ROAD SCOOPS

For dragging soil from one place to the other, grading, etc.

1L.	7-ft. capacity	$6.50
2L.	5-ft. "	6.00
3L.	3-ft. "	5.75

ENGLISH HEDGE SHEARS



	P. P. Wt.	Plain Bolt Each	Fly Nut Bolt Each
107—5½ inch, Ladies'	4 lbs.	$1.00	
101—8 "	4 lbs.	1.50	$2.00
101—9 "	5 lbs.	1.75	2.25
101—10 "	5 lbs.	2.00	2.50
101—12 "	6 lbs.	2.50	

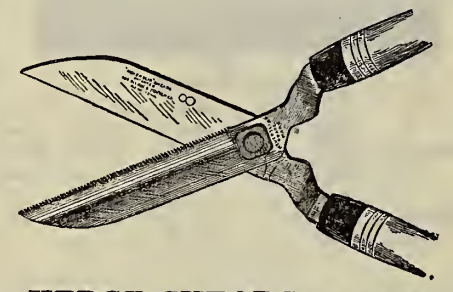
Handles for Hedge Shears, 50c. per pair.

P P. Weight on Handles, 2 lbs. per pair.

SAYNOR HEDGE SHEARS

For very heavy hedges. These are all equipped with a fly nut.

No.	P. P. Wt.	
101—9 inch	4½ lbs.	$2.50
101—10 inch	5 lbs.	2.75



HEDGE SHEARS (Neverslip)

As may be seen by the illustration these shears have a saw edge on one blade which prevents them from slipping when cutting, made of the best quality English steel.

	P. P. Wt.	
8 inch	4 lbs.	$1.80
9 inch	5 lbs.	2.25
10 inch	5 lbs.	2.50

UNIQUE HEDGE TRIMMER

A practical tool for trimming the summer growth of hedge. It works like a charm, and leaves the hedge in better shape than you could with any other shear and does the work in ¼ the time. Guaranteed satisfactory; cuts 16-inch swath. Price, $5.00. *Parcel Post Weight, 5 lbs.*

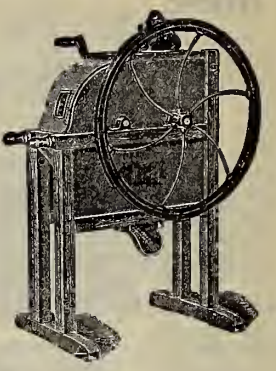
No. 50 SACK TRUCK

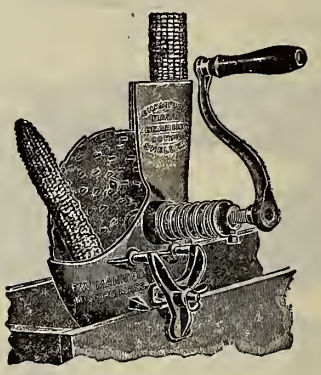
These are handy around the barn for moving bags, barrels, etc. $3.50 each.

No. 3 PENNA. CORN SHELLER

Will be found useful on every farm and private estate. Separates the corn from the cob, throwing the cob to one side and allowing the corn to pass out at another.

Price, $7.00.





MANN'S CORN SHELLER

Excellent for small poultry farms, etc. Ball-bearing, suitable for fastening to a bench, box, etc. Price, $2.00.

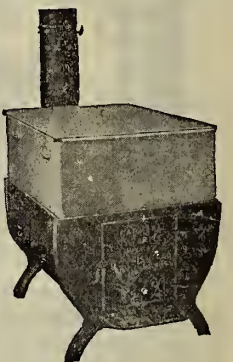
BLACK HAWK CORN SHELLER

For shelling small quantities of corn. $2.00 each.

FARMERS' FEED COOKER

Poultry must have warm food if you expect them to lay in winter when eggs are high.

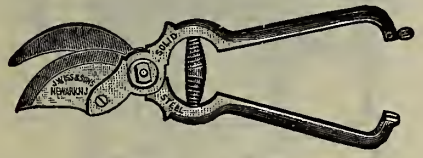
Prices are for the Cooker complete, for burning wood, one length of 6-in. stove pipe and damper and one 6-in. elbow. Coal grate and lining $3.50 additional.



No.	Cap. Gals.	Size Boiler	Length Fire Box	F. O. B Factory	F. O. B. Phila.
1	25	22x22x12	24 in.	$10.00	$11.00
2	30	22x24x13½	24 in.	10.50	11.50
3	40	22x30x14	30 in.	12.00	13.00
4	50	22x36x15	36 in.	13.00	14.00
5	75	22x48x17	48 in.	15.00	16.00
6	100	22x60x17	60 in.	17.00	18.00

PRUNING SHEARS, Etc.

Our pruning shears are procured from the most reliable makers in America and Europe and all but 03 are fully guaranteed.



Wiss Pruning Shears

No.		Parcel Post Weight	Each
109	Wiss, 8 in.	2 lbs.	$2.00
190	Henckel, 7½ in.	2 lbs.	1.25
200	" 8½ in.	2 lbs.	1.50
210	" 9½ in.	2 lbs.	1.75
1401½	German 6½ in.	2 lbs.	.50

Henckel patterns equipped with ratchet nut.

8½ in. Searight $1.75

Rhodes double cut, 8½ in. 1.75

No.		Parcel Post Weight	Each
88	Hessenbruch, 8 in.	2 lbs.	$1.10
1537	German, 8 in.	2 lbs.	.65
03	American, 8 in.	2 lbs.	.40
23	Nickeled, 4½ in.	1 lb.	.80
23	" 5½ in.	1½ lbs.	.90
23	" 6½ in.	1½ lbs.	1.10
	Perfection, 8-in.		2.00

Spiral Springs for any of the above Pruning Shears except Rhodes. 10c. each; per doz., $1.10. *P. P. Weight, per doz., ½ lb.*

FRENCH PRUNING SHEARS

These have a distinct, very easy working, spring and are desirable for one whose hand is liable to fatigue when pruning.

		Weight	Each
No. 1542.	7 inch.	2 lbs.	$1.25
No. 1542.	8½ inch.	2 lbs.	1.50
	Springs for French Pruning Shear...		.25

No. 23 LEVIN PRUNER

The handle of this shear affords a great deal of leverage, which makes very easy cutting possible. Price, 70c. *Weight, 2 lbs.*

LEATHER PRUNING GLOVES

	Parcel Post Weight	Pair
Buckskin	1 lb.	$1.75
Ordinary	1 lb.	1.50
Buckskin, with gauntlets	1 lb.	2.00

FLY NUTS (Postage free)

For Hedge Shears, 30c. each.

The Fly Nut feature of a hedge shear enables the wear to be taken up instantly by merely tightening the same.

TREE PRUNERS

Disston's Little Giant Pole Pruner

Disston's Little Giant Pruner and Saw

Disston's Little Giant $1.10

Parcel Post Weight, 3½ lbs.

Disston's Little Giant. With saw attachment 1.50

Parcel Post Weight, 4 lbs.

The above prices are for Pruner without rope or pole.

TELEGRAPH TREE PRUNER

This has a removable blade which can be renewed when worn out for 25c. Price, plain as in cut, $1.00.

Parcel Post Wt., 2 lbs.

HESSENBRUCH TREE PRUNER

No.	Price
5340	$1.25
1820	2.50
1806	1.75
1805	.75

WATERS TREE PRUNERS

With removable cutting blade and pole complete.

4	feet	$0.75
6	"	.85
8	"	1.00
10	"	1.15
12	"	1.25
14	"	1.50

Extra Blades for Waters Pruners, 25c. each.

None of the above Tree Pruners except the Waters are equipped with poles or rope.

POLES for Tree Pruners.

12	feet long,	1¼	inches diameter	$0.45
14	"	1½	" "	.80
16	"	1½	" "	1.00

Waters Pruners are not mailable.

BASTIAN'S TREE PRUNER

The most powerful device of its kind ever invented. With the greatest ease it will cut any limb that fits in its jaws, which are about 1½ inches wide. By reason of its design, the leverage does not in any way bend the pole, as it is a direct down stroke.

Each		Each	
8 ft.	$1.50	12 ft.	$2.00
10 ft.	1.75	14 ft.	2.25

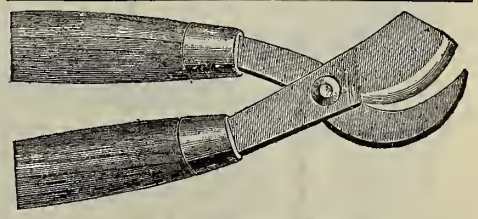
Extra blades for cutter, 15c. each.

SEARIGHT TREE PRUNER

No. 3 (not mailable)

Equipped with forged steel hook and blade. The lever handle is connected to the blade by a rod and the spring always throws the cutting part open to receive a limb. This is the very best tree pruner made, and is actually worth double the price asked for it.

8 ft.	$1.40	12 ft.	$1.75
10 ft.	1.60	14 ft.	2.00



Rockdale Lopping Shear

LOPPING SHEARS

These are used in trimming trees and for cutting heavy hedge that the regular hedge shear will not cut. Each

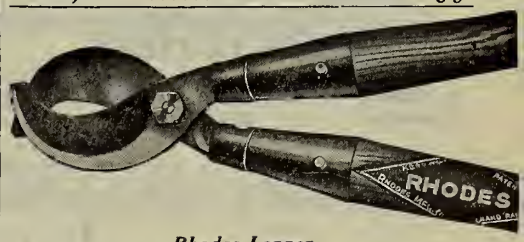
Rockdale Style $1.00

Parcel Post Weight, 4 lbs.

Searight Style. Has a tremendous leverage, which means easy cutting; made of the finest American steel.. 2.00

Parcel Post Weight, 6 lbs.

No. 109. English, 4-in. cut (not mailable) 3.50



Rhodes Lopper

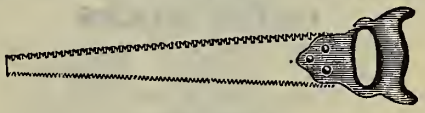
RHODES DOUBLE CUT LOPPING SHEAR

For trimming trees, bushes, heavy shrubbery, etc.

Makes an absolutely clean, perfect cut, the blades are concaved at the cutting edge, producing with the handles an enormous leverage. They are the easiest operating Lopping Shears ever made or sold. 24-inch and 28-inch handles. State which are wanted when ordering. Price, $2.50.

Parcel Post Weight, 5 lbs.

DISSTON PRUNING SAWS



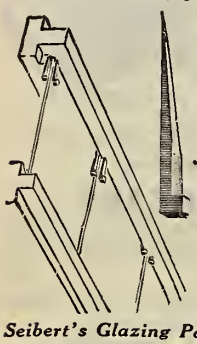
			Parcel Post Weight	Each
18	inch.	Double edge	2 lbs.	$0.85
20	"	" "	2 lbs.	1.15
16	"	Single edge	2 lbs.	.70
18	"	" "	2 lbs.	.80
20	"	" "	2 lbs.	1.00
22	"	" "	2 lbs.	1.25

CROSS CUT LUMBERING SAWS

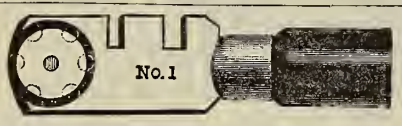
	Each
Keystone No 3. One Man. 3½ ft.	$2.00
Great American No. 1. Two Man. 5 ft.	2.50

GLAZING POINTS

Peerless. Made of zinc, can be used on right or left hand side of sash bar. Three sizes.
No. 1 for single thick glass.
No. 2 for single thick glass.
No. 2½ for double thick glass.
Price, 60c. per 1000. *P. P. Wt., per* 1000, 1 *lb.*
Pincers. For driving Peerless Points, 50c. *P. P. Weight,* 1 *lb.*



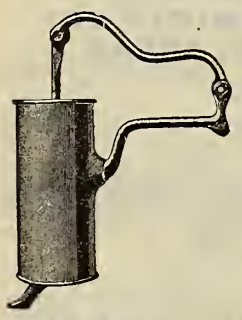
Siebert Style. Made with a prominent head; cannot rust; easily driven. 5-8, 6-8 and 7-8 inches long. **Zinc,** 40c. per lb.; 10 lbs., $3.75.
1000 to 1200 points in a lb.
Brass. 60c. lb.; 5 lbs., $2.75.
Naumann's Brass Glazing Points. 85c. per 1000. *P. P. Wt., 1½ lbs.*
Zinc Glazing Nails. 20c. per lb.; 10 lbs., $1.85.
Seibert's Glazing Point



6-Wheel Glass Cutter

GLASS CUTTERS

Single Wheel, steel, each.....$0.15
6-Wheel, steel, each..... .35
Diamond (ebony handle) 3.00
" (cocoa handle), extra large diamond 4.00
P. P. Wt. on Glass Cutters, ¼ lb. each.



Mastica Machine

Putty Distributor

PUTTY BULBS

For distributing putty, mastica, etc.
Price $1.25
Parcel Post Weight, 1 *lb.*

MASTICA

For glazing greenhouses, new or old. One gallon will cover about 300 running feet.

	P. P. Wt.	
½ gallon	8 lbs.	$0.75
1 "	15 lbs.	1.35

MASTICA MACHINE

For distributing mastica, etc. Made of heavy zinc. Price, $1.40. *P. P. Wt., 2 lbs.*

PERMANITE GLAZING CEMENT

10 lb...$1.60 | 25 lb...$3.25 | 150 lb.$16.00

GLASS CLAMPS

For supporting broken lights of glass. Per box of 100, $1.10. *P. P. Wt., 1¼ lbs.*

TWEMLOW'S PUTTY

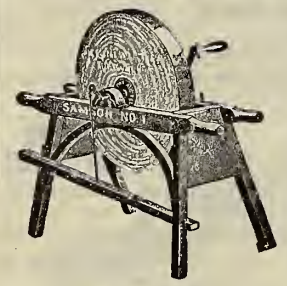
Superior to putty, more easily applied and lasting. Can be put on with a putty bulb or mastica machine.

16-lb. can (1 gal.). *P. P. Wt., 18 lbs.*	$1.50
50 lbs. (3 gals.)	4.50
80 lbs. (5 gals.)	7.25
160 lbs. (10 gals.)	14.25

HAMMOND'S GREENHOUSE WHITE

A superior white paint. 1 gal.. $1.90.

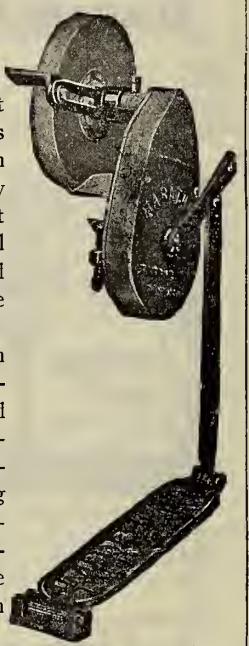
GRINDSTONES



Cleveland Grindstone

No. 2 Cleveland, 22 inches diam., $4.50.
No. 3 Cleveland, 19 inches diam., $4.00.
Bi-Treadle, complete with seat and pedals, $5.50.
The above prices do not include water cups

MARATHON TOOL GRINDERS



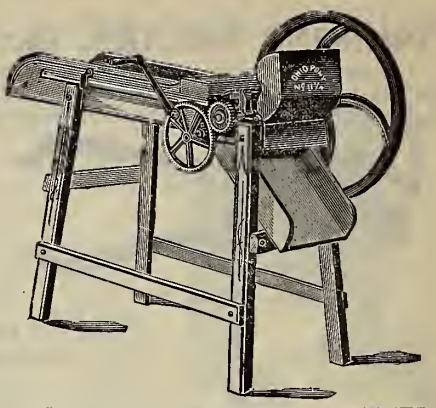
The important point in hand grinding is the power, and from whence it comes. By a combination of cut spur gears and steel cut pinions arranged as we have in the **"MARATHON,"** we obtain a very high speed (the stone travels over five thousand feet a minute) something unheard of before in hand grinding machines. This insures the quickest cutting results from the corundum stone with minimum wear.

No. 1, wheel	¾ x 5 inches	$4.50
" 2, wheel	1 x 5 inches	5.50
" 3, wheel	1 x 6 inches	6.50
" 4, wheel	1 x 7 inches	7.50

If treadle is wanted, add $1.50 to the above prices.

BULL DOG TOOL GRINDER

An excellent device, ball-bearing, with a high-speed carborundum wheel; just the thing for hatchets, axes, knives, etc. $1.50 each. *Parcel Post Weight, 6 lbs.*.....

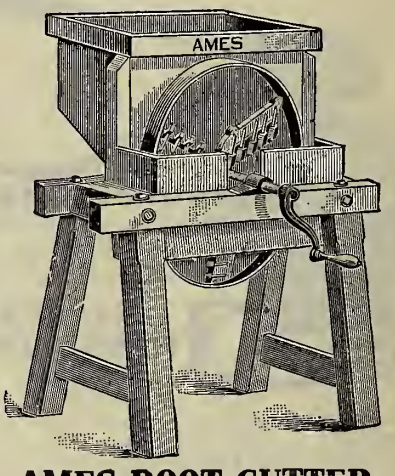


OHIO HAY AND FEED CUTTER

This is considered the finest machine in the market for cutting hay, ensilage, etc.
Single knife, $12.50; double knife, $18.00.
Mann's Clover Cutter for poultry raisers' use. Plain, $8.00; on stand, $10.00.

BANNER ROOT CUTTERS

No. 7 (see cut), for poultry, sheep and lambs. $5.00.
No. 16, for cattle, horses, etc. Has a large capacity and is equipped with a pulley for power purposes. $12.00.
No. 20, like No. 16, but smaller, no pulley. $9.00. No. 30, $16.00.



AMES ROOT CUTTER

The knives are fastened on a revolving disc, and the roots come out in long thin strips. The hopper holds about 2 bu. of material. Nicely painted dark green. Price, $12.00.

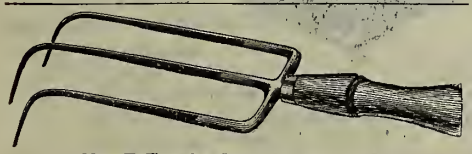
Lang's Hand Weeder, 25 Cents
Parcel Post Weight, 1 lb.

No. G Eureka Weeding Fork, 25 Cents
Parcel Post Weight, 2 lbs.

No. 1 ENGLISH WEEDING FORK

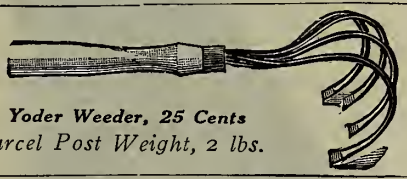
Very similar to the Eureka, except that it is heavier and of better quality. If you want a weeding fork that will last a lifetime, buy this one. Price, 85c.
Parcel Post Weight, 2 lbs.

No. 300 Excelsior Weeding Fork, 10 Cents
Parcel Post Weight, 1 lb.



No. E Eureka Weeder, 25 Cents
Parcel Post Weight, 2 lbs.

Excelsior Weeder, 10 Cents
Parcel Post Weight, 1 lb.



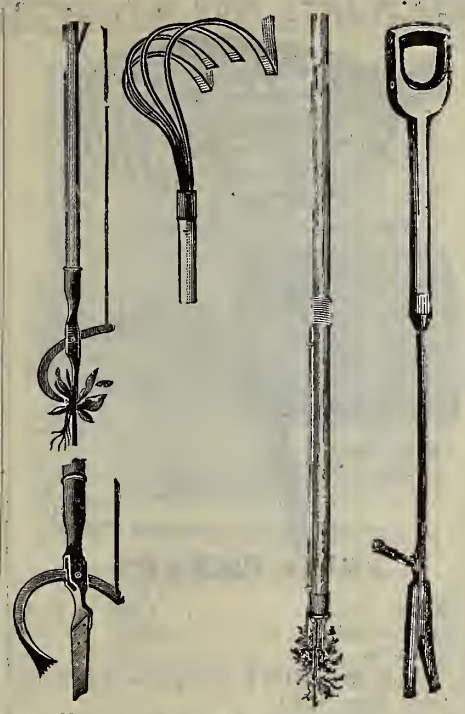
Yoder Weeder, 25 Cents
Parcel Post Weight, 2 lbs.

Hazeltine's Hand Weeder, 25 Cents
Parcel Post Weight, 1 lb.

No. 1792 English Steel Weeder, 50 Cents
Parcel Post Weight, 3 lbs.

MEHLER HANDY HOE

A hoe, rake and edger, all in one; has been thoroughly tried and found successful. $1.00 each. Not mailable.



No. 1 *No. 2* *No. 3* *No. 4*

WEEDERS, Etc.

No. 1	**Cleveland**	$0.60
No. 2	**Yoder Long Handled**	.75
No. 3	**Champion**	.50
No. 4	**Heavy Dock Lifter**	2.25

IDEAL DANDELION EXTRACTOR

This simple device is the best thing of its kind ever used for taking weeds out of the lawn. It will be seen that it is not necessary to get down on hands and knees to operate it. The cutting blade of the best steel, equipped with a convenient handle, so that either man, woman or child can use it; 25c. each.

ALCA GARDEN TOOL

This implement combines a trowel, a weeder and a dibble or planter, all in one. Interchangeable instantly. It is thoroughly made and represents unusual value. Just the thing for a city garden. 25c. each.
Parcel Post Weight, 3 lbs.

No. 211 JOHNSON STEEL TROWELS

These are made of one piece steel blade and shank, equal to the imported trowels.

	P. P. Weight			P. P. Weight	
5 in.	1 lb.	$0.40	7 in.	1 lb.	$0.60
6 in.	1 lb.	.50	8 in.	1 lb.	.70

D. S. T. STEEL SHANK TROWEL

These are somewhat long in blade and handle, making a very practical tool. 6-in. blade. Will last a lifetime. 60c. each.
Parcel Post Weight, 1½ lbs.

No. 217 CLEVES' ANGLE TROWEL

For getting dandelion, plantain and other weeds out of the lawn and transplanting.

	Weight	Each
5 inch	1 lb.	$0.15
6 inch	1 lb.	.20
7 inch	1 lb.	.25

No. 1795 LONG HANDLED ENGLISH TROWEL

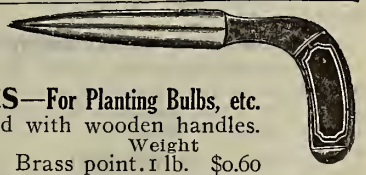
Just the thing that prevents kinks in the back. 40c. each. *Parcel Post Weight, 2 lbs.*

MISCELLANEOUS TROWELS

	Weight	Each
No. 213—5 in.	½ lb.	$0.10
No. 213—6 in.	½ lb.	.12
No. 5—6 in., heavy steel	1 lb.	.25

MEHLER GARDENER

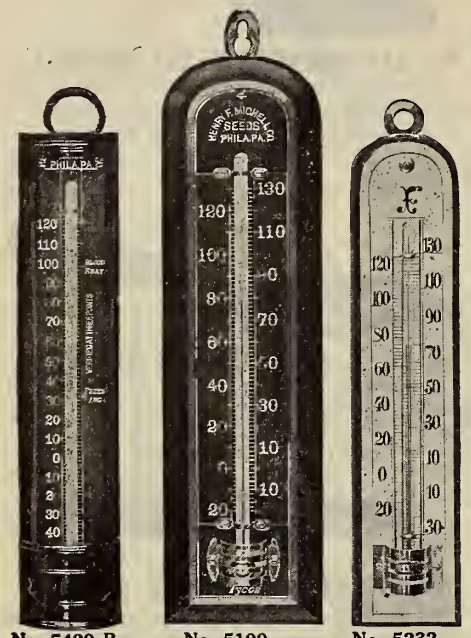
An entirely distinct tool, avoids bending the back, works closer to the plant than any other device. No hoe is needed where this is used, just the thing for working among flower and vegetable plants. 75c. each. Not mailable.



DIBBLES—For Planting Bulbs, etc.

Equipped with wooden handles.

		Weight	
No. 2180.	Brass point.	1 lb.	$0.60
No. 218.	Iron point.	1 lb.	.40



No. 5420 B No. 5100 No. 5232

THERMOMETERS

Maximum and Minimum

Registering the coldest and the warmest point during the previous night.

8 inch, each $2.75; 10 inch, each $3.00.

Tested Thermometers

These thermometers are positively accurate and may be depended upon at all times. We can supply them in Mercury or Spirit Glass. State which is wanted in ordering.

	Each	Doz.
No. 5420B— 8 inch, Tin Case	$0.50	$5.50
No. 5420B—10 " " "	.65	7.25
No. 5420B—12 " " "	1.00	11.00
No. 5154— 8 inch, Copper Case	.85	8.50
No. 5154—10 " " "	1.00	11.00
No. 5100— 8 inch, Wood Back, Black Scale (see cut)	1.25	14.00
No. 5100—10 inch, Wood Back, Black Scale	1.50	16.00
No. 5232— 8 inch, Wood Back, Porcelain Scale (see cut)	1.00	11.00
No. 5232—10 inch, Wood Back, Porcelain Scale	1.25	14.00

Standard Thermometers

White scale, tin case; very reliable.

8 inch, No. 5420W.. Each $0.30 Doz. $3.25

10 " No. 5420W.. " .40 " 4.25

MUSHROOM OR HOT BED THERMOMETERS

Galvanized Iron Point.....Each, $1.00

Brass Point..... " 1.50

GLASS DAIRY THERMOMETERS

No. 5724. For testing milk, etc., also used for soil purposes. 25c. each; doz., $2.50.

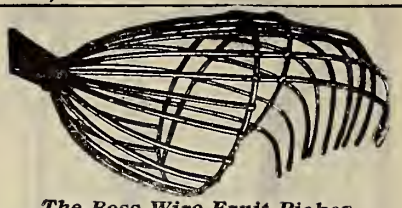
ELECTRIC THERMOSTAT

This device can be set to ring an alarm when the temperature goes above or drops below a desired point, absolutely reliable, all brass. Regular style, $6.00; Waterproof style, $11.00.

RECORDING THERMOMETERS

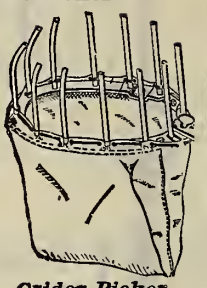
With weekly or daily charts showing the temperature for each minute of the day and night. No. 100, price $22.00; No. 200 (extra quality), $27.50.

We can supply **Incubator** and Brooder **Thermometers,** also **Hygrometers,** also any other style of Thermometer for Horticultural purposes.



The Boss Wire Fruit Picker

Up-to-Date Picker

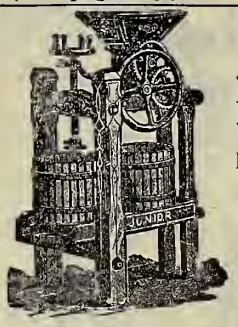


Crider Picker

FRUIT PICKERS

	P. P. Wt.	
Boss	2 lbs.	$0.35
Up-to-Date	2 lbs.	.25
Crider's	2 lbs.	.25

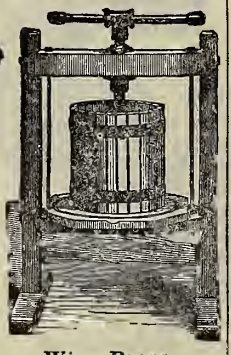
OAK BASKETS for gathering fruit. (See page 213.)



Cider Mill

CIDER MILLS

Junior	$12.00
Medium	16.00
Senior	21.00
" for power	25.00
Little Boss	10.00
Gem No. 0.	8.00
" **No. 1.**	10.00



Wine Press

WINE PRESSES

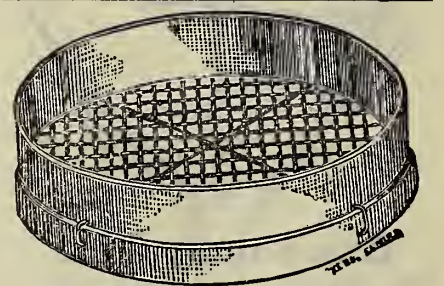
Made of best quality wood, carefully bolted and finished.

No. 1	$4.00
No. 2	5.00
No. 2½	5.75
No. 3	6.25

GRAPE GRINDER

Suitable for crushing berries, grapes and similar soft fruit.

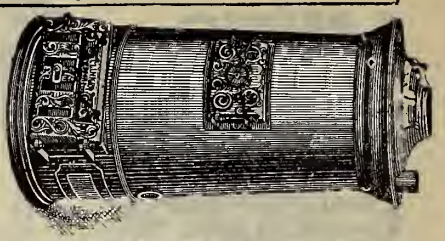
Price $3.50



SIEVES (ANY SIZE MESH)

Made extra well, of galvanized wire and hard wood.

	P. P. Wt.	
20 inch Extra heavy	6 lbs.	$0.95
20 inch Regular wire	6 lbs.	.85
18 inch Regular wire	6 lbs.	.75
16 inch Regular wire	6 lbs.	.65



HOT WATER STOVES

IDEAL, Jr. (See cut.)

	Direct Radiation	Capacity of Tank	Price
No. 0	75 sq. ft.	100 gallons	$18.00
No. 10	150 "	150 "	27.25
No. 12	175 "	250 "	34.00
No. 20	225 "	300 "	38.00

CLAD'S IMPROVED

	Capacity of in. Pipe	Radiation	Price
No. 0	150 ft.	50 sq. ft.	$12.50
No. 1	200 "	75 "	16.50
No. 2	400 "	150 "	24.00
No. 4	600 "	300 "	30.00

Send for full descriptive list on hot water stoves; state which style.

CARRIAGE AND AUTOMOBILE HEATERS

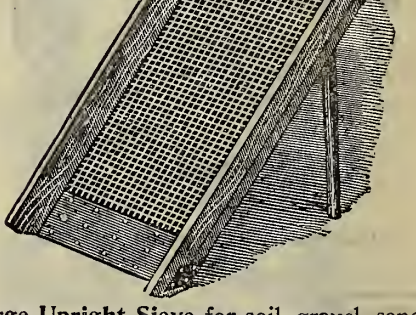
These heaters will keep the temperature above freezing in most any ordinary closed vehicle during the severest weather.

No.		P. P. Wt.	Each
5.	Single drawer, 14 in.	5 lbs.	$2.25
5B.	Single drawer, 14 in., covered with Brussels carpet	6 lbs.	2.75
5C.	Single drawer, 14 in., covered with Velvet carpet	6 lbs.	3.00
7B.	20 in., Brussels carpet	7 lbs.	4.50
7C.	20 in., Velvet carpet	7 lbs.	5.00
10.	Three drawers. (See cut.)		7.25

Coal for Auto Heaters. 75c. doz. bricks; per 100, $6.00. Weight, 8 lbs. per doz.

Tongs for Handling Hot Coals. 25c.

Parcel Post Weight, 1¼ lbs.



Large Upright Sieve for soil, gravel, sand, etc. Made in any size mesh, of extra heavy foundry wire. $8.00 each.

SOD CRUSHER AND SOIL PULVERIZER

These machines are equipped with a hopper, and a roller, the latter being spiked. It is turned by means of a handle and crushes the soil perfectly, avoiding the necessity to sift.

No. 1, $16.00 | No. 2, $21.00 | No. 3, $31.00

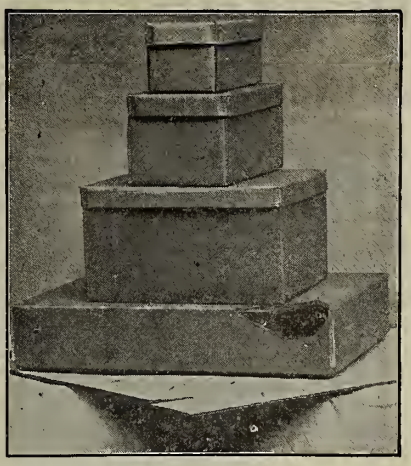
ROOFING PAPER, ETC.

	Sq. ft. per roll	Per roll
Celery Paper	500	1.15
$5.25 for five rolls.		
Neponset Red Rope	500	5.50
" " "	250	2.75
" " "	100	1.25
Tar or Pitch, 2-ply	100	.80
" " 3-ply	100	1.10
Paroid, 1-ply	108	2.50
" 2-ply	108	3.25
" 3-ply	108	4.00

Caps for tar paper. 1 lb., 8c.; 5 lbs., 35c.
Nails for tar paper. 1 lb., 8c.; 5 lbs., 35c.

SUNDRIES

Carnation Bands (*Rubber*). For mending bursted calyx. 30c. per oz.; ¼ lb., $1.00.
Carnation Staples (*Wire*). 60c. per 1000.
Charcoal, Lump. For use in potting. Pk., 25c.; bu., 75c.; barrel sack, $1.75.
Cocoanut Fibre. 10c. qt.; 4 qts., 25c.; 40c. peck; bushel, $1.00; 5 bushels, $3.75.
Glass Cleaner. $1.10 gal.; 5 gals., $5.00.
Grafting Wax. ¼ lb., 10c.; ½ lb., 15c.; 25c. lb.; 5 lbs., $1.10.
Moss, *Green Lump.* Pk., 35c.; bu., 75.; bbl. bag, $1.75. *Green Sheet.* Pk., 50c.; bu., $1.25; bbl. bag, $3.50. *Sphagnum* (*dry*). Barrel size bales, $1.00; pk., 20c.; bu., 50c.; 5 bbl. bales, $2.50. *Sphagnum* (*live*). Pk., 25c.; bu., 85c.; bbl., $1.75.
Pebbles. Qt. 5c., 30c. pk., bu. $1.10, bbl. $2.50.
Peat or Leaf Mould. Five barrels, $6.25; pk., 25c.; bu., 75c.; $1.50 bbl.
Peat in sacks. Ton, $12.00. F. o. b. N. J.
Peat in car lots. Ton, $6.00. F. o. b. N. J.
Peat, Orchid. Per barrel bag, $2.00; pk., 30c.; bu., $1.00.
Sand for propagating. Per qt., 5c.; pk., 20c.; bu., 70c.; bbl., $1.75.
Shaderine. For shading greenhouse glass. 5 lbs., $1.25; 10-lb. cans, $1.75.
Soil for potting. Qt., 5c.; ½ pk., 15c.; pk., 20c.; bu., 70c.; bbl., $1.75.
Tin Foil. 15c. per lb.; 70c. per 5 lbs.
Toothpicks. Plain, box, 7c.; 35c. for 6.
Toothpicks. Wired, 25c., 1000; 10,000, $2.
Toothpicks. 6 inch, wired, green; per 500, 30c.; $1.50 per 3000.
Violet and Green Foil. 40c. lb.
Styptic (*Thomson's*). For pruning, $1.00 bot.
Weed Killer. *Michell's:* 45c. per qt.; ½ gal., 65c.; $1.15 per gal.; 5 gals., $5.00; $9.50 for 10 gals.; 25 gals., $20.00; $37.50 for 50 gals. *Herbicide:* 50c. qt.; 80c. per ½ gal.; gal., $1.50; $2.75 for 2 gals.; $5.50 per 5 gals.; 10 gals., $10.00; 25 gals., $21.50; $35.00 for 50 gals.
Zementine. For whitewashing and shading. 2 lbs., 15c.; 10 lbs., 70c.



CUT FLOWER BOXES

CORRUGATED PAPER BOXES

	Each	Per Doz.
48 x 14 x 8 inch	$0.50	$5.00
42 x 14 x 8 "	.40	4.50
36 x 14 x 6 "	.35	3.50
24 x 8 x 5 "	.20	2.00

GREEN FELT PAPER BOXES

These are very attractively finished and add considerable to the appearance of the flowers in the box.

Size	Per Doz.	Per 100
20 x 5 x 3	$0.45	$2.85
23 x 5 x 4	.65	4.50
30 x 5 x 4	.75	5.00
23 x 7 x 4	.70	4.75
15 x 6 x 5	.65	4.50
24 x 8 x 5	.90	6.50
28 x 8 x 5	1.15	8.00
36 x 8 x 5	1.50	10.00
36 x 5 x 4	1.15	8.00
30 x 12 x 6	1.75	12.00
36 x 12 x 6	2.50	18.50

LIGHT WEIGHT PAPER BOXES

Size	Per Doz.	Per 100
14 x 5 x 3	$0.35	$2.25
20 x 4 x 3	.40	2.50
16 x 5 x 3	.40	2.50
18 x 5 x 3	.45	2.65
19 x 5 x 3¼	.50	3.00
18 x 7½ x 3½	.60	3.50
21 x 5 x 3¼	.60	3.50
23 x 5 x 3½	.65	3.75
21 x 7 x 3½	.65	3.75
21 x 8 x 4	.70	4.00
23 x 7 x 3½	.70	4.00

HEAVY WEIGHT PAPER BOXES

Size	Per Doz.	Per 100
23 x 12 x 4	$1.00	$6.50
28 x 8 x 5	1.00	6.50
30 x 9 x 4	1.00	6.50
36 x 8 x 5	1.25	8.25
23 x 12 x 5	1.25	8.25
30 x 9 x 6	1.35	8.75
30 x 12 x 6	1.50	11.00
30 x 14 x 8	2.40	16.50
36 x 12 x 6	2.40	16.50

We can also supply other sizes of boxes.

VIOLET BOXES

Size	Per Doz.	Per 100
7 x 4 x 4	$0.40	$2.75
8 x 5 x 5	.70	4.40
9 x 7 x 5½	.80	5.50
10¼ x 6¼ x 4½	.80	5.50
13 x 9 x 6	1.25	8.80

PAPER FOR FLOWERS

	Lb.	5 lbs.	Ream
Manilla. For wrapping.	$0.10	$0.45	$1.60
" Tissue	.12	.55	1.00
Wax. White, 24 x 36 in.	.30	1.25	2.50
White Tissue. 24 x 36 in.	.15	.70	1.25

Sunlight Glass Sash are made with a double glass facing, one on the bottom, another on the top. It is claimed by the manufacturer where these are used, hotbed mats are unnecessary. 3 ft. wide, 6 ft. long.
Prices, f. o. b. Philadelphia:
Plain, Unglazed and Unpainted.....$2.25
Glazed and Painted 4.50
Packing Glazed Sunlights, 25c. each extra.

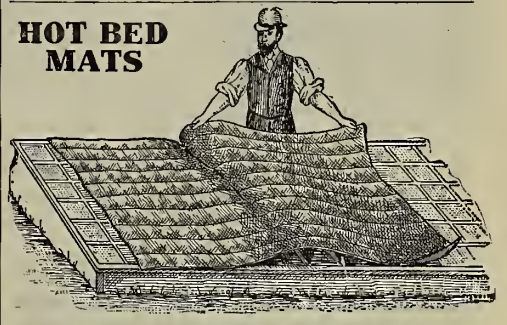
HOT BED SASH

Made of best quality cypress. Size, 3 ft. 1½ in. wide, 6 feet long.
Plain, not glazed or painted. $1.50 each; $16.50 doz. (Painting only 25c. each extra.)
Glazed, painted, puttied glass. $3.50 each; $40.00 doz.
Packing charges on Glazed sash only, 10c. each; per doz., $1.20 extra.

HOT BED SASH COVERS

Made of beaded boards, 3 x 6 ft., to fit the standard sash, painted lead color. Just the thing to place on top of mats on severe nights. $3.00 each; doz., $33.00.

HOT BED MATS



The Burlap, and Duck and Burlap are the best mats that it is possible to procure. Rats and mice do not harbor in them, and they are otherwise practically indestructible.
Burlap. 76 x 76 inches, covering two regular size sash. Each, $1.60; doz., $18.00.
Burlap. 40 x 76 inches, for one sash. Each, $1.10; doz., $12.00.
Duck and Burlap. This style is waterproofed on one side. 40 x 76 inches. Each, $1.35; doz., $15.00.
Duck and Burlap. 76 x 76 inches. Each, $1.85; doz., $21.00.
Duck and Burlap Mats. 76 inches wide, any length, at 30c. per running foot.
Plain Burlap Mats. 76 inches wide, any length, 26c. per running foot.

	Each	Doz.
Straw Mats. 3 x 6 feet	$1.00	$11.00
" " 6 x 6 feet	1.75	18.00

Special size Hot Bed mats, any of the above styles, to order.

PLANT STAKES, WIRE, Etc.

GREEN TAPERING STAKES

	Parcel Post Weight Per doz.	Each	Doz.	100
1½ feet	½ lb.	$0.02	$0.17	$1.00
2 "	½ lb.	.03	.28	1.70
2½ "	1 lb.	.04	.39	2.40
3 "	1¼ lbs.	.05	.51	3.20
3½ "	1½ lbs.	.06	.63	4.00
4 "	2 lbs.	.07	.75	4.80
5 "		.08	.88	5.60

ROSE OR DAHLIA STAKES

Round tapering style; painted green.

	Parcel Post Weight per doz.	Each	Doz.	100
3 feet	2½ lbs.	$0.08	$0.75	$4.85
3½ "	4 lbs.	.09	.88	5.68
4 "	5 lbs.	.10	1.10	6.50
5 "		.12	1.25	8.15
6 "		.15	1.55	9.80

SQUARE PLANT STAKES

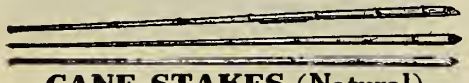
These are painted green and nicely tapered and finished.

	Parcel Post Weight per doz.	Each	Doz.	100
1½ feet	½ lb.	$0.02	$0.14	$1.00
2 "	½ lb.	.02	.22	1.58
2½ "	1 lb.	.03	.31	2.25
3 "	2 lbs.	.05	.50	3.60
3½ "	2½ lbs.	.06	.59	4.28
4 "	4 lbs.	.07	.69	4.95
5 "		.09	.94	6.75
6 "		.12	1.19	8.55

WOOD DOWEL STAKES

Length	Diam.	Parcel Post Wt. per doz.	Doz.	100	1000
24 in.	⅜ in.	1 lb.	$0.12	$0.70	$5.25
24 "	¼ "	½ lb.	.12	.70	5.25
36 "	¼ "	¾ lb.	.15	.85	6.50
36 "	5/16 "	¾ lb.	.15	.85	6.50
36 "	5/16 "	1 lb.	.15	.85	6.50
36 "	⅜ "	1¼ lbs.	.15	.85	6.50
36 "	⅝ "	3 lbs.	.20	1.25	9.00
42 "	3/16 "	½ lb.	.20	.95	7.50
42 "	¼ "	1 lb.	.20	.95	7.50
42 "	5/16 "	1½ lbs.	.20	.95	7.50
42 "	⅜ "	1½ lbs.	.20	.95	7.50
42 "	⅝ "	4 lbs.	.25	1.35	11.00

The above are plain stakes, if wanted dyed green add 5c. per doz.; 15c. per 100; per 1000, $1.00 to the above prices.



CANE STAKES (Natural)

	Doz.	100	250	1000
Southern, 8 to 9 ft.	$0.25	$1.00	$2.25	$8.00
Japanese, 5 to 6 ft.	.25	1.00	2.25	8.00

These stakes cannot be mailed.

GREEN CANE STAKES

These are treated with a coloring that is permanent, making a very attractive stake for all purposes where it is heavy enough.

	Doz.	100	1000
3 feet	$0.15	$1.00	$8.25
4 "	.20	1.25	10.00

HYACINTH STAKES

Used for staking hyacinths, tulips and slender plants; dyed green.

	Parcel Post Weight per 100	Doz.	100	1000
12 in.	2 lbs.	$0.05	$0.25	$1.50
18 "	2 lbs.	.08	.40	2.00

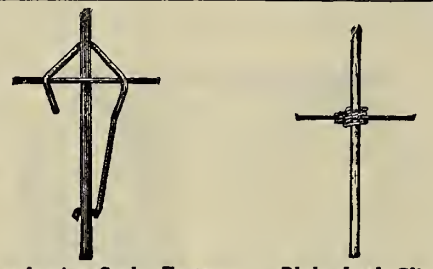
GALVANIZED WIRE STAKES

No. 10 Wire, light

	Parcel Post Weight doz.	Doz.	100	1000
2 feet	1½ lbs.	$0.12	$0.60	$5.00
2½ "	1½ lbs.	.15	.75	6.25
3 "	2 lbs.	.18	.90	7.75
3½ "	2¼ lbs.	.22	1.10	9.00
4 "	2½ lbs.	.25	1.25	10.50
4½ "		.30	1.35	12.00
5 "		.35	1.50	13.00
6 "		.40	1.75	14.25

No. 8 Wire, heavy

	Parcel Post Weight doz.	Doz.	100	1000
2 feet	2 lbs.	$0.15	$0.75	$6.25
2½ "	2½ lbs.	.18	1.00	7.75
3 "	2¾ lbs.	.22	1.20	9.50
3½ "	3 lbs.	.26	1.35	11.25
4 "	3½ lbs.	.30	1.70	14.00
4½ "	4 lbs.	.35	1.85	15.00
5 "		.40	2.00	16.00
6 "		.45	2.25	18.00

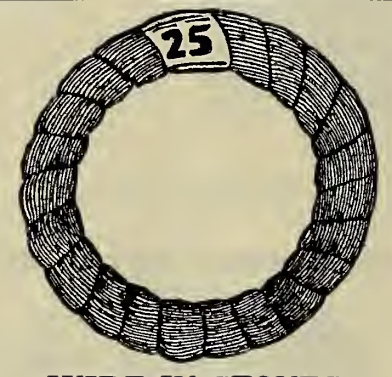


Everlasting Stake Fastener *Blake Lock Clip*

STAKE FASTENERS

These take the place of string entirely, lasting several seasons, used for fastening cross wires to galvanized stakes.

	Parcel Post Weight per 100	500	1000
Blakes	2 ozs.	$0.85	$1.60
Everlasting	½ lb.	1.75	3.25
Eureka	¼ lb.	1.00	1.90



WIRE IN STONES

Allow for postage if wanted by mail.

		Lb.	12 lb. Stone
No. 16.	**Galvanized**	$0.10	$0.85
No. 18.	"	.11	1.00
No. 19.	"	.12	1.10
No. 20.	"	.13	1.15
No. 22.	"	.14	1.30
No. 24.	"	.15	1.50
No. 16.	**Annealed**	.08	.70
No. 18.	"	.09	.80
No. 20.	"	.10	.85
No. 22.	"	.11	.90
No. 24.	"	.12	1.10
No. 19.	**Tinned**	.11	.90

TINNED WIRE

No. 19, 11c. lb.; per 12 lb. stone, 90c.
In 10-lb. boxes, cut 8½ inches, 15c. per lb.; per box, $1.40.

CUT BOUQUET WIRE

For Stemming Flowers

Cut 9, 12 or 18 inches in length.
No. 20, 12c. per lb.; per box, 12 lbs., $1.30
No. 22, 14c. per lb.; per box, 12 lbs., 1.40
No. 24, 15c. per lb.; per box, 12 lbs., 1.50

RAFFIA

For tying, basket making and fancy work, very long and fibrous.

Natural Color. Price, 20c. per lb.; 5 lbs. for 90c.

Colored. In all shades. Send for samples of color. 20c. per ¼ lb.; 1 lb., 60c.; $2.50 for 5 lbs. Allow for postage if Raffia is wanted by Parcel Post.

RAFFIATAPE

This article is made of a composition of paper and linen and is tremendously strong, it is about ⅛ inch wide and is put up in 250 yard bolts or hanks. This is also desirable for tying bouquets, flower boxes or for any other purpose where attractive tying material is desired. Color, Nile green. *Parcel Post Weight, per bolt, ½ lb.*

Per bolt of 250 yards, 75c.; 6 bolts, $4.25; 12 bolts, $8.00.

TWINES, ETC.

	Ball	lb.
No. 12, Light Italian Twine	$0.20	$0.40
No. 18, Medium Italian Twine	.20	.40
No. 24, Heavy Italian Twine	.20	.40
No. 36, Heavy Italian Twine	.20	.35
2 ply, 3 ply and 5 ply jute	.10	.20
Linen Bouquet	.08	.45
Boston Linen, 2 and 3 ply	.20	.35
Green Sea Island	.10	.45
Special Thin White Cotton	.08	.30
2 ply Texas White Cotton	.07	.30
Tarred, for Mat Making	.20	
Tarred Sisal for Fodder		.12
Binder (5-lb. ball)	.75	
Express, very heavy	.15	

Green Silkaline. For stringing Smilax and Asparagus, etc. F, fine; FF, medium; FFF, coarse.
Price, per spool, 25c.
Price, per lb. (8 spools) $1.50

Green Linen (substitute for Silkaline), very similar to the above, fast color.
Price, 20c. per ball; 85c. per lb.

FLOWER BED FENCING

For putting around beds, lawns, etc. Any length desired up to 150 running ft.

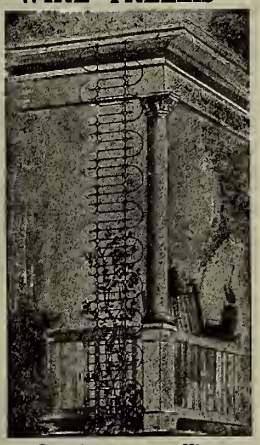
16 in. Less than 150 ft. roll, 13c. ft.
16 in. In Roll Lots, 150 ft., 10c. ft.
22 in. Less than 150 ft. roll, 15c. ft.
22 in. In roll lots, 150 ft., 12c. ft.

CONTINUOUS WIRE TRELLIS

Excellent for training vines of all kinds up porches, verandas, pergolas, etc. Thoroughly galvanized and well made.

Any length desired up to 150 running feet.

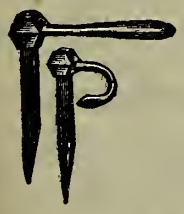
13 in. wide. Less than 150 ft. rolls, 13c. per ft.
13 in. wide, in roll lots, 150 ft., 10c. per ft.
19 in. wide, less than 150 ft. rolls, 15c. per ft.
19 in. wide, in roll lots, 150 ft., 12c. per ft.



Continuous Trellis

WIRE TRELLIS

12 inch high	$0.20		
18 inch high	.30		
24 inch high	.40		
30 inch high	.65		
36 inch high	.75		
42 inch.	$1.10	60 inch.	1.75
48 inch.	1.30	72 inch.	2.25



VINE OR WALL NAILS

For fastening climbing vines, equipped with a soft metal clasp which holds the vine against the wall.

1-in., doz. 15c., per 100 $1.00; 1½-in., doz., 20c., per 100 $1.25; 2-in., doz. 25c., per 100 $1.50.

FAN TRELLIS

Made of wood, painted green.

18 inch	$0.15	36 inch	$0.50
24 inch	.20	42 inch	.60
30 inch	.25	48 inch	.70

WIRE TRELLIS (Made to Order)

We are able to have made, at short notice, special sizes of wire trellis, any length and any width, at 20c. per sq. ft.

WIRE TREE GUARD

Carefully galvanized, thoroughly made, 9 in. diam., $1.00; doz., $11.00. 12 in. diam., $1.25 doz. $13.00.

No. 4 IRON TREE GUARD

12 in. diameter, 6 ft. high. Price, $2.50 each; per doz., $25.00.

GALVANIZED WIRE ARCHES

These can be furnished on short notice any height or any width. Made of heavy diamond mesh wire with strong frames.

20c. per sq. foot, Special heavy wire work arches can be supplied at lowest prices.

VERANDA TRELLIS

Made of wood and painted green.

2 feet	$0.35	6 feet, heavy.	$1.00
3 feet	.45	8 feet, heavy.	1.35
4 feet	.60	10 feet, heavy.	1.60
5 feet, heavy	.85	12 feet, heavy.	2.00

Larger sizes to order.

IVY TRELLIS

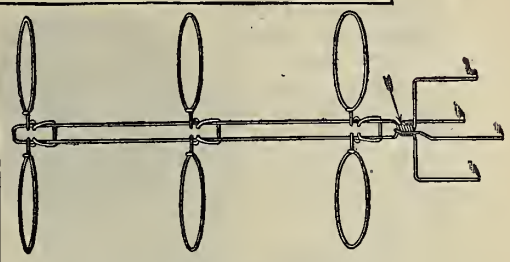
Made of wood, painted green.

16 in. diam., 45c
20 in. diam., 60c.
24 in. diam., 75c.

OVAL TRELLIS

Made of wood, painted green.

24 inch .....25c.



Müller Carnation Support

MÜLLER'S DOUBLE SUPPORT

One of the best on the market, easily put together. After the rings are detached it folds flat, thereby requiring very little storage room when putting away.

Per doz. 75c.; $4.50 per 100; per 1000, $42.00.

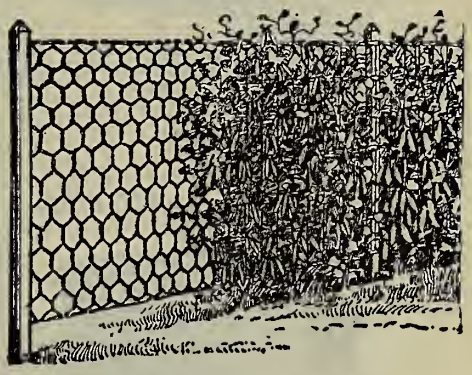
RICHMOND CARNATION SUPPORT

This is now the most popular support that there is. It can be put together in a minute, and is always satisfactory.

No. 11	Per Doz.	100	1000
29 inch, 3 ring, double	$0.65	$4.50	$42.50
29 inch, 3 ring, single	.50	3.50	32.00

"MODEL" CARNATION SUPPORTS

	Per doz.	100	1000
2 Ring	$0.45	$3.00	$27.50
3 Ring	.55	3.50	32.50



WIRE PEA TRELLIS

This does away with brush, twine, etc., and avoids the necessity of peas lying on the ground and wasting; made of best wire and painted wood. It is 48 inches high and in 10 foot sections, with 3 suitable 5½ foot stakes for fastening in the ground; can be put away and used year after year. $1.00 per section; 10 sections for $8.50.

Model Tomato Support

TOMATO OR PAEONY SUPPORT

These pay for themselves the first season. They insure more flowers and better fruit.

Model (Wire). Each 20c.; doz., $2.00; $14.00 per 100.

Muller (Wire). Each, 30c.; doz., $3.25; $23.50 per 100.

Perfection (Wood). Each, 25c.; doz., $2.75; $22.00 per 100.

PLANT TUBS, FLOWER POTS, SAUCERS, Etc.

CEDAR TUBS

Equipped with Strong Iron Hoops

Cedar Plant Tub

These are made by hand, of the very best white cedar painted green. They will be found very much superior to lower priced cedar tubs.

	Outside Diam.	Length of stave outside	Black Iron Hoop	Galv. Hoop
No. 0	27 in.	24 in.	$5.50	$6.00
No. 1	25 "	22 "	5.00	5.50
No. 2	23 "	20 "	4.50	4.90
No. 3	21 "	18 "	4.00	4.40
No. 4	19½ "	16 "	3.00	3.35
No. 5	18 "	14 "	2.75	3.10
No. 6	16½ "	13 "	2.25	2.55
No. 7	15 "	12 "	2.00	2.30
No. 8	12 "	10 "	1.75	1.95

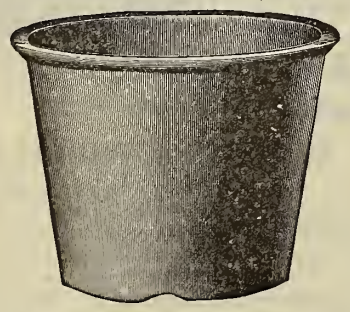
Tubs cannot be sent Parcel Post.

MICHELL'S KEYSTONE PLANT TUBS

Made of white cedar, painted green and bound with strong electric welded wire hoops, which do not rust. Handles are sold separately at 10c. per pair. Specify when wanted that way.

No.	Inside Diam.	Depth	Each
6	11 inches	10 inches	$0.70
7	12 "	11 "	.80
8	13 "	12 "	.90
9	14 "	13 "	1.00
10	15 "	14 "	1.25
11	16 "	15 "	1.35
12	17 "	16 "	1.50
13	18 "	17 "	1.75
14	19 "	18 "	2.00

Tubs cannot be sent by Parcel Post.



WOOD FIBRE PLANT TUBS

Complete, with saucers.

	Green Enameled Each	Mahogany Color Each
10 inch	$1.00	$0.68
12 inch	1.21	.79
14 inch	2.10	1.58
18 inch	5.25	4.20

These tubs cannot be mailed.

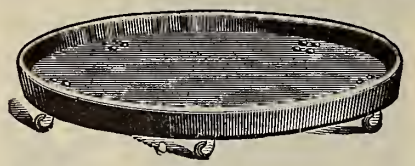
FERN DISH LINERS

These cannot be sent by Parcel Post.

Very shallow, for inside of fancy silver or porcelain ferneries.

Width	Depth	Each	Doz.	100
7 in.	1⅞ in.	$0.12	$1.00	$6.00

ROLLING STANDS (Wood Fibre)



Ins.	Parcel Post Weight	Will fit Pot	Tub	Each	Doz.
12	2 lbs.	10 in.		$0.58	$6.60
14	2½ lbs.	12 "	No. 8	.68	7.80
16	3 lbs.	14 "	" 8	.76	8.60
18	3½ lbs.	16 "	" 7-6	.95	10.80
20			" 5	1.15	13.20
22			" 4	1.44	16.50

WOOD FIBRE SAUCERS

Extremely desirable on account of being absolutely waterproof. Plants put on these can be stood on the finest covering or woodwork without damage.

	Parcel Post Weight Each	Each	Doz.	100
4 inches	¼ lb.	$0.11	$1.24	$9.27
5 "	¼ lb.	.13	1.44	10.80
6 "	¼ lb.	.14	1.45	11.25
7 "	½ lb.	.15	1.62	12.15
8 "	½ lb.	.16	1.74	13.05
9 "	¾ lb.	.17	1.92	14.40
10 "	¾ lb.	.18	2.04	15.30
12 "	1¼ lbs.	.21	2.40	18.00
14 "	1½ lbs.	.28	3.18	23.85
16 "	2 lbs.	.49	5.52	41.40
18 "	2½ lbs.	.58	6.50	49.50

EARTHENWARE SAUCERS

These cannot be sent by Parcel Post.

	Each	Doz.	100
4 inches	$0.02	$0.15	$1.12
5 "	.03	.18	1.40
6 "	.04	.24	1.88
7 "	.05	.31	2.40
8 "	.06	.47	3.60
9 "	.08	.62	4.80
10 "	.09	.78	6.00
11 "	.11	.94	7.20
12 "	.15	1.17	9.00
14 "	.25	1.95	15.00

Fern Liner

EARTHEN FERN PANS

These cannot be sent by Parcel Post.

Width	Height	Each	Doz.	100
4 in.	1⅞ in.	$0.04	$0.31	$1.65
4¾ "	2⅛ "	.05	.33	2.20
5½ "	2¼ "	.06	.41	2.75
6¼ "	2½ "	.07	.49	3.30
7 "	2⅝ "	.09	.55	3.85
8 "	3⅛ "	.11	.79	5.50
9 "	3¼ "	.15	.95	6.60

EARTHEN FLOWER POTS

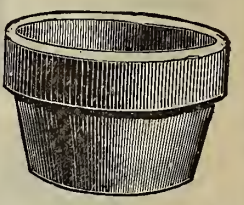
These cannot be sent by Parcel Post.

Height and Width Inside	Each	Doz.	100	1000
2 inches	$0.01	$0.07	$0.50	$3.96
2¼ "	.01	.08	.56	4.45
2½ "	.02	.09	.69	5.45
3 "	.02	.11	.88	6.93
3½ "	.02	.14	1.06	8.41
4 "	.02	.18	1.38	10.89
4½ "	.03	.24	1.88	14.85
5 "	.03	.32	2.50	19.80
5½ "	.05	.41	3.13	24.75
6 "	.05	.49	3.75	29.70
6½ "	.07	.62	4.80	44.00
7 "	.08	.78	6.00	55.00
8 "	.11	1.09	8.40	77.00
9 "	.16	1.56	12.00	110.00
10 "	.22	2.11	16.20	148.50
11 "	.29	2.81	21.60	
12 "	.40	3.90	30.00	
14 "	.80	7.80	60.00	
16 hand made	1.50	13.50		

PAPER FLOWER POTS

Ins.	Parcel Post Weight per doz.	per 100	Doz.	100	1000
2¼	3 ozs.	2 lbs.	$0.08	$0.35	$3.00
2½	3 ozs.	2 lbs.	.10	.40	3.25
3	5 ozs.	2 lbs.	.12	.55	4.50
3½	7 ozs.	3 lbs.	.18	.70	6.00
4	8 ozs.	4 lbs.	.20	.95	7.50
5	15 ozs.	7 lbs.	.25	1.40	12.50
6	2 lbs.	11 lbs.	.30	1.80	17.00

EARTHEN BULB PANS



These are fine for planting with bulbs, for ferns and other compact plants.

These cannot be sent by Parcel Post.

Diam. Inside	Each	Doz.	100
6 inches	$0.07	$0.68	$3.75
7 "	.08	.78	4.80
8 "	.10	.98	6.00
9 "	.15	1.30	8.40
10 "	.20	1.63	10.80
12 "	.25	2.28	15.00
14 "	.50	4.55	30.00
16 "	.90	7.80	60.00
18 "	1.25	11.70	90.00

SEED PANS (Earthenware)

Seed Pan

These cannot be sent Parcel Post.

Inches	Each	Doz.
6	$0.20	$2.00
8	.25	2.50
10	.30	3.00
12	.40	3.50

AZALEA POTS

These cannot be sent by Parcel Post.

Width	Height	Each	Doz.	100
5 in.	4½ in.	$0.04	$0.32	$2.50
6 "	5 "	.06	.51	3.93
7 "	6 "	.09	.82	6.30
8 "	7 "	.12	1.14	8.82
9 "	7½ "	.16	1.56	12.00
10 "	8 "	.24	2.21	17.00

SQUARE ORCHID BASKETS

	Wooden. Each	Doz.		Earthen. Each	Doz.
4 in.	$0.20	$2.25	4 in.	$0.15	$1.35
6 "	.25	2.75	6 "	.25	2.25
8 "	.30	3.40	7 "	.30	3.00
10 "	.35	4.10	Not mailable.		
12 "	.40	4.70			

ORCHID PANS

Orchid Pan

EARTHEN

	Each	Doz.
4 in.	$0.10	$1.00
5 "	.15	1.50
6 "	.20	1.80
8 "	.30	2.50
10 "	.40	3.60
12 "	.50	5.00

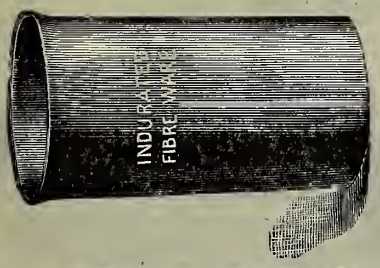
Orchid pans not mailable.

CORK FOR ORCHIDS

In large clumps, 30c. per lb.; 10 lbs., $2.50.

ORCHID PEAT

For use in orchid pans and baskets. 30c. per peck; bushel, $1.00; $2.00 per bbl. bag.



WOOD FIBRE FLOWER VASES

No.	Diam.	Depth	Weight	Each	Doz.
0	8 in.	13 in.	4 lbs.	$0.65	$7.40
1	5½ "	10 "	2½ lbs.	.56	6.40
2	4½ "	9 "	1½ lbs.	.48	5.50
3	4 "	6 "	1½ lbs.	.41	4.60
4	3 "	4½ "	¾ lbs.	.32	3.60
00	9 "	21 "	6 lbs.	2.45	28.00
11	5 "	18 "	4 lbs.	.65	7.40
22	4½ "	15 "	2 lbs.	.56	6.40
33	4 "	12 "	2 lbs.	.48	5.50
44	3 "	9 "	1 lb.	.41	4.60

Add for Parcel Post if desired by mail.

WIRE BASKETS

Complete with Hanger.

Extra Heavy Style

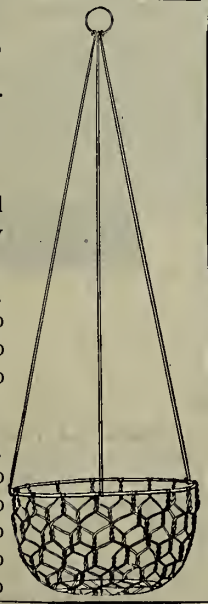
(See cut.)

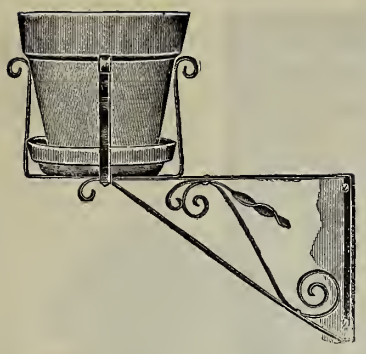
These are extra well made and will last many years. Not mailable.

No.	Diam.	Each	Doz.
5	9 in.	$0.25	$2.50
6	11 "	.30	3.00
7	14 "	.40	4.00

Light Style

	Each	Doz.
8 inch	$0.15	$1.50
10 inch	.20	2.00
12 inch	.25	2.50
14 inch	.35	3.50
16 inch	.45	4.50





JONES' POT BRACKET

(See cut)

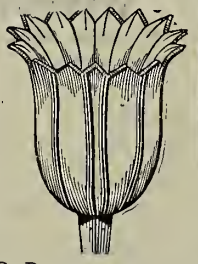
No. 1—Holds 5-inch pot. Each, 30c.; $3.00 per doz. *Parcel Post Weight, each, 1 lb.*
No. 2—Holds 6-inch pot. Each, 35c.; $3.50 per doz. *Parcel Post Weight, each, 2 lbs.*
No. 3—Holds 7-inch pot. Each, 40c.; $4.00 per doz. *Parcel Post Wt., each, 2½ lbs.*

BRONZED POT BRACKETS

No. 8310—Single, small, 30c. each; per doz., $3.00. *Parcel Post Weight, each, 1 lb.*
No. 8320—Single, medium, 40c. each; per doz., $4.00. *Parcel Post Wt., each, 2 lbs.*
No. 8340—Double, medium. 60c. each; per doz., $6.00. *Parcel Post Wt., 2 lbs.*

IRON VASES

For holding cut flowers on cemetery lots and graves.



Painted Green

No.	P. P. Weight	Each	Doz.
3 Small	.2 lb.	$0.25	$2.50
2 Med.	.2 lb.	.35	3.75
1 Large	.4 lb.	.45	4.50

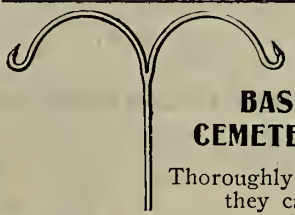
Galvanized

No.	P. P. Weight	Each	Doz.
3—Small	2 lbs.	$0.35	$3.75
2—Medium	2 lbs.	.50	5.00
1—Large	4 lbs.	.65	6.75

ENAMELED CEMETERY VASES

Color rich green; made of tin and carefully enameled; will not burst in cold weather.

No.	P. P. Weight	Each	Doz.
1—Large	½ lb.	$0.25	$2.75
2—Small	½ lb.	.20	2.00



BASKET OR CEMETERY HOOKS

Thoroughly galvanized so they cannot rust.

Single, 5/16 inch thick, 40c.
Double, 7/16 inch thick, 80c.
These cannot be mailed.

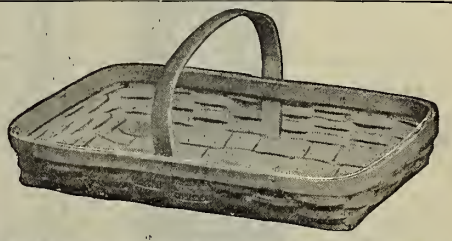
Eureka Hanger

KRICK'S POT HANGERS

No.	For Pots	P. P. Weight	Each	Doz.
1.	3 to 5-in.	1 lb.	$0.03	$0.30
2.	6 and 7-in.	1 lb.	.04	.40
3.	8 to 10-in.	1 lb.	.05	.50

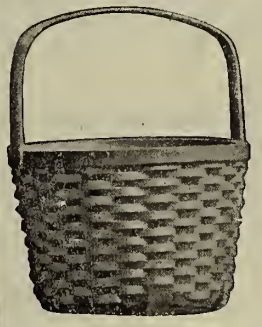
EUREKA POT HANGER

These are suitable for any size pot up to 8 inches, made of heavy galvanized wire, 15 inches long. 60c. per doz.; per 100, $4.00. *Parcel Post weight, each, 8 ozs.*



ENGLISH GATHERING BASKET No. 1

Very convenient for carrying berry boxes, asparagus and other vegetables; made of oak; 12 in. wide, 23 in. long, 4 in. deep. Price, 60c.



GARDEN BASKETS

No. 2, Stiff Handle

	Each	Doz.
½ Bu.	$0.50	$5.50

No. 3, Drop Handle

	Each	Doz.
½ Bu.	$0.50	$5.50

No. 4, Without Handle

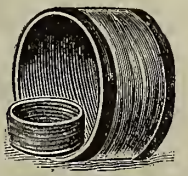
	Each	Doz.
½ Bu.	$0.45	$4.75
1 Bu.	.75	8.00

SPLINT OR CHIP BASKETS

		With Handle	Without Handle
¼ bu.	Per doz.,	$0.65	$0.60
½ bu.	"	.70	.65
¾ bu.	"	1.20	1.00
1 bu.	"	1.65	1.50

BERRY BOXES

	P.P. Weight	Doz.	Doz.	100	1000
1 quart	2 lbs.	$0.15	$0.75	$5.25	
1 pint	1 lb.	.10	.60	1.75	



WOOD MEASURES

¼ Peck	$0.35
½ Peck	.35
1 Peck	.50
½ Bushel	.75
1 Bushel	1.25

Michell's Rustic Porch and Lawn Furniture, Etc.

WOVEN CEDAR PICKET FENCING

Is tailor-made compared to the ordinary kinds of ready made fencing. Will wear for years absolutely without paint. Readily put up and saves time, labor and expense of fence building. It is far ahead of and will outwear the old style wire fence by many years. In handy rolls of 50, 75 and 100 ft. only.

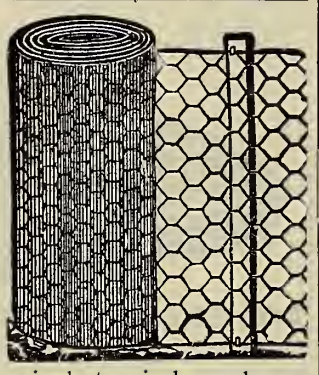
3 ft. high, with 4 gal. steel double wire cables, 6c. per running foot.

4 ft. high, with 5 gal. steel double wire cables, 8c. per running foot.

5 ft. high, with 6 gal. steel double wire cables, 10c. per running foot.

State height and length of roll required when ordering.

WIRE NETTING



No. 19, galvanized, two-inch mesh, 150 running feet per bale.

Width	Per bale	Width	Per bale
12 inches	$0.90	42 inches	$2.85
18 "	1.25	48 "	3.15
24 "	1.65	60 "	4.00
30 "	2.00	72 "	4.50
36 "	2.40		

No. 20, galvanized, one-inch mesh, 150 running feet per bale.

Width	Per bale	Width	Per bale
12 inches	$1.80	42 inches	$5.50
18 "	2.60	48 "	6.50
24 "	3.40	60 "	8.00
30 "	4.20	72 "	9.50
36 "	5.00		

Staples, ¾ inch, for fastening netting, 10c. per lb., 10 lbs. for 85c.

CUT WIRE NETTING

2-in. mesh, under 100 sq. ft., 1c. per sq. ft.; 2-in. mesh, 100 sq. ft. and over, ¾c. per sq. ft.; 1-in. mesh under 100 sq. ft., 2c. per sq. ft.; 1-in. mesh, 100 sq. ft. and over, 1½c. per sq. ft.

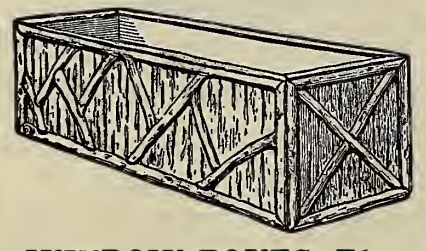
PITTSBURG FENCING

The most substantial fencing possible to procure. The joints being welded by electricity, make it exceedingly attractive. It is thoroughly galvanized, extra well made and is the up-to-date fencing for poultry yards, etc. Price for special style, with top and bottom strands of No. 11 wire; centre of No. 14 wire, in bale lots only, of 165 feet.

No.	Per Bale	No.	Per Bale
2412—24 in.	$3.25	5218—52 in.	$4.85
3615—36 in.	4.10	5819—58 in.	5.15
4617—46 in.	4.60		

SUN DIAL

This ancient time teller is a part of every exclusive flower or vegetable garden, and indeed a very interesting one. It is made of cast iron with screw holes, so it may be fastened down to a pedestal or other foundation. The figures are raised, so that they may be easily renovated with paint or otherwise, when weather-beaten. Dial face is 8 ins. in diameter, bottom 10 ins. in diameter, finished in black, gilded figures; without pedestal, $2.50. *P. P. Wt., 6 lbs.*



WINDOW BOXES, Etc.

Wooden Rustic Bark Style. Attractively made and neatly finished; for indoor or outdoor use.

Length	Depth outside	Width outside	Price
24-inch	7½-inch	11-inch	$1.40
30 "	7½ "	11 "	1.75
36 "	7½ "	11 "	2.10

Any length made to order, 75c. per running foot, 11 inches wide.

Plain Wood Style (Painted Green). We recommend these for use at the temporary summer home in the country or at the seashore, or in cases where one may not feel like spending a larger cost than these entail. They are substantially made and finished and will last many years.

Length	Depth outside	Width outside	Price
24-inch	6½-inch	8-inch	$0.80
30 "	6½ "	8 "	1.00
36 "	6½ "	8 "	1.20

Any length made to order, 45c. per running foot, 8 inches wide.

Rustic Bark (Natural Cedar). For covering boxes, columns or any other article. Per sq. ft., 5c.; $1.00 per 25 sq. ft.; 50 sq. ft. and over, at 3½c. per sq. ft.

COLONIAL GARDEN SEATS

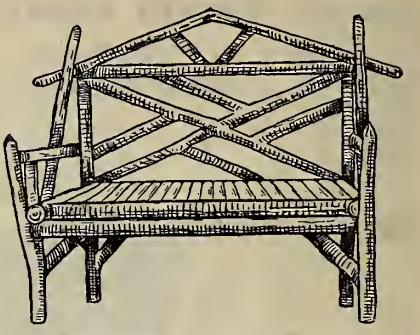
Made of wood and finished in a most exclusive manner. Sample carried on show room floor, stock is made up and furnished on demand, as required, promptly, and finished in any shade or tint. Price, $1.75 per running foot. Any length desired. 19 ins. wide, with beveled edges.

RUSTIC HANGING BASKETS

These are made in attractive patterns, oblong design, finished natural oak and very rustic indeed. Will last many years.

8-inch oblong.....$1.50 each
10 " " ..... 1.75 "
12 " " ..... 2.00 "

Not mailable.



RUSTIC SETTEES

Elwood Style (see cut). $3.50 each.
Florida Style. $3.50 each.
Klondike Style. $6.00 each.
Mission Style. $6.00 each.

RUSTIC CHAIRS, SETTEES, Etc.

Klondike Chair. Price, $4.50.
**Elwood " ** Price, $2.75.
**Mission " ** Price, $4.50.
Mission Table. $4.00.

LAWN GUARDS

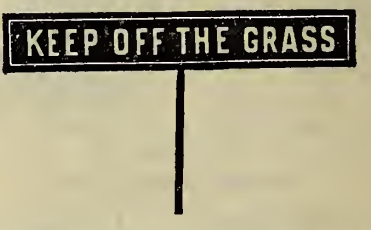
For grass corners, flower beds, etc. Iron (*see cut*) nicely painted green, 75c. each; per doz., $8.25. Not mailable.

Wire, made extra heavy and well galvanized. Price, 20c. each; per doz., $2.00. Not mailable.

LAWN SIGNS

Excellent for putting on grass plots where thoroughfare is not desired.

Iron (shown opposite), painted gray, trimmed red. 40c. each; per doz., $4.00. Parcel post weight, 4 lbs.

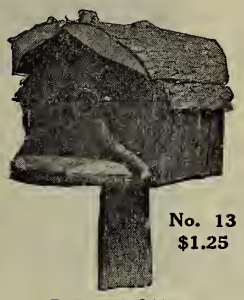


Enameled Iron Style. This pattern is the best for conspicuous places. The name plate is finished with green and white enamel, is 20 inches long and about 4 inches wide. Equipped with a substantial iron stake. $1.00 each; per doz., $10.00. Parcel post weight, 3 lbs.

MICHELL'S RUSTIC BIRD and WREN BOXES

In the past few years there has been revived a great interest everywhere in birds. There are many desirable species that would settle near our homes, if we provided them with some suitable place for breeding. A few attractive Bird Boxes, placed where they can easily be found, either in trees or on posts, will induce our feathered friends to seek a lodging, help beautify the garden, and make an otherwise dull spot bright. The prices at which these Boxes are sold are so low that you can afford a number of them. To avoid errors, please order by number.

No. 11—$1.25
P. P. Wt. 3 lbs.



No. 13
$1.25
P. P. Wt. 3 lbs.

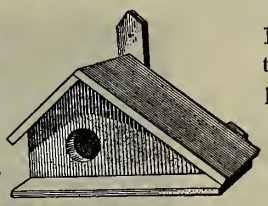
No. 77—$5

No. 9—$1.25
P. P. Wt. 3 lbs.

No. 12—$1.25
Made to swing
P. P. Wt. 4 lbs.

WOODEN WREN BOX

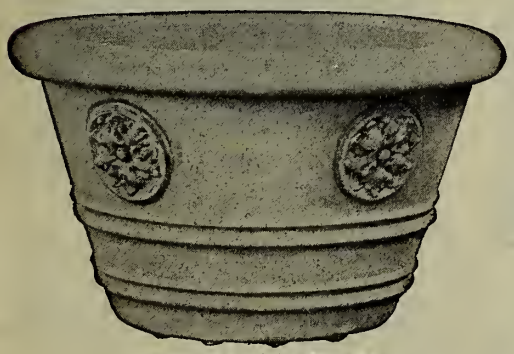
These are very useful as well as ornamental, for putting on trees or fastening on buildings. Painted red and green, very attractive. 35c. each; 3 for $1.00.. *P. P. Wt., each, 1 lb.*



Price of any of the above in Wren size (except No. 77), as shown, $1.25 each, three for $3.50; six for $6.50; twelve for $12.00. Postage extra if wanted by mail.

No. 77. 4-roomed Martin or Bluebird House of cedar and white birch, $5.00 each. Not mailable.

ART-CRETE VASES, PEDESTALS and BOXES



ART CRETE VASE A36
12 inches high, 21 inches wide. Price $5

This desirable ware, made of concrete, has been greatly reduced in price, to permit of its extensive use for porch, lawn, garden and terrace decoration. It is carefully made, will last forever, and is finished in some exceedingly clever designs. At first glance it looks to be chiseled out of solid stone, so well is it made and finished. It can be supplied in marble, granite or weather-tarnished copper effect. The variety of designs is so large that we cannot show them here, but shall be pleased to mail a descriptive catalogue with prices to anyone who is interested. In season we have on our show-room floors a variety of the most popular styles and sizes, where a selection can easily be made.

"ILLINOIS" SELF-WATERING FLOWER BOXES and BASKETS

Made entirely of metal, handsomely finished and warranted five years against rot, rust or leakage.

Constructed with reservoir in bottom which automatically waters plants *at the roots* for 10 to 20 days without attention.

ILLINOIS WINDOW BOXES

No.	Height	Width	Length	Water capacity	Price
1	8 in.	9½	23 in.	2½ qts.	$1.60
3	8 in.	9½	27 in.	3½ qts.	1.90
5	8 in.	9½	31 in.	4½ qts.	2.20
7	8 in.	9½	35 in.	5½ qts.	2.50
9	8 in.	9½	39 in.	6½ qts.	2.80

ILLINOIS PORCH BOXES

Made of a heavier grade of iron than the window boxes, of about the same form, but are both wider and deeper. They are made slightly smaller across the bottom than across the top. Brass eyelets are ranged along the top edges so they may be hung from cornice of porch if desired.

No.	Height	Width	Length	Water capacity	Price
21	9 in.	12	37 in.	7 qts.	$3.00
22	9 in.	12	41 in.	8 qts.	3.40
23	9 in.	12	45 in.	9 qts.	3.75
24	9 in.	12	49 in.	10 qts.	4.00
25	9 in.	12	53 in.	11 qts.	4.25

ILLINOIS HANGING BASKETS

You will never know how nice a Hanging Basket is until you have tried the "Illinois" style. No taking down to water. No attention at all except filling reservoir once a week.

No.	Size	Depth	Water capacity	Price
8	8 in. sq.	7 in.	1 qt.	$1.00
10	10 in. sq.	7 in.	1½ qt.	1.25
12	12 in. sq.	8 in.	2½ qt.	1.50
14	14 in. sq.	9 in.	3½ qt.	1.75

Chain for same, 5c. per foot.

IRON PLANT STANDS

STAR STYLE

Somewhat similar to the "Superior," excepting that they are not fitted with the tilting device, and are finished in black varnish.

Height	Each	Doz.
12 inches	$0.70	$7.70
18 "	.80	8.80
24 "	.95	10.50
30 "	1.15	12.25
36 "	1.40	15.50
42 "	1.55	16.50

SUPERIOR STYLE

Can be tilted to set your plants at any angle desired to produce the proper decorative effect. Enameled green.

Height	Size of Plates	Price Each	Per Doz.
12 inch	5 x 7	$0.85	$9.00
18 "	5 x 7	.95	10.00
18 "	8 x 10½	1.05	11.75
24 "	8 x 10½	1.15	13.00
24 "	8 x 12	1.25	14.25
30 "	8 x 10½	1.35	14.75
30 "	8 x 12	1.45	15.75
36 "	8 x 10½	1.55	15.75
36 "	8 x 12	1.65	16.75
42 "	8 x 10½	1.75	16.75
42 "	8 x 12	1.80	18.00
48 "	8 x 12	1.85	19.50
60 "	8 x 12	1.95	20.75
72 "	8 x 12	2.05	22.00

EXTRA PLATES FOR IRON STANDS

	For Superior		For Star Stands	
	Each	Doz.	Each	Doz.
5 inch	$0.30	$3.30	$0.25	$2.85
7 "	.35	3.75	.40	4.40
8 "	.50	5.50		
10½ "	.55	6.00	.50	5.50
12 "	.65	7.00		

WIRE PLANT STANDS

These are nicely painted dark green and finished in bronze. They are very substantial and will carry most any weight that can be placed on them. We especially recommend the Jones style, as it is collapsible and takes up very little space when not in use.

PHILADELPHIA STYLE

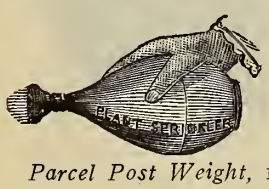
	Square Style	Half Round Style
1 shelf	$2.25	
2 "	3.00	$3.00
3 "	4.00	4.00

JONES' COLLAPSIBLE STYLE

(See cut.)

2 shelf ..... $2.25 | 3 shelf $3.25

RUBBER PLANT SPRINKLERS



Straight Neck.
No. 1 ..... $1.00
No. 2 ..... .90
No. 4 ..... .60
Angle Neck.
Large $1.00

Parcel Post Weight, 12 ozs. each.

PAINTED POT LABELS

		P. P. Wt. Per 100	100	500	1000
4	inch	½ lb.	$0.12	$0.50	$0.85
4½	"	½ lb.	.15	.60	1.00
5	"	½ lb.	.20	.70	1.25
6	"	¾ lb.	.25	.85	1.50
8	"	1 lb.	.40	1.85	3.50
10	"	2½ lb.	.50	2.40	4.50
12	"	3 lb.	.75	3.25	6.00
18	"	for field use..	2.50		20.00

WOOD TREE LABELS, Etc.

P. P. Weight on Tree Labels, ½ lb. per 100.

	Per 100	Per 1000
Iron Wired. Plain	$0.15	$1.00
" " Painted	.20	1.25
Copper Wired. Plain	.20	1.25
" " Painted	.25	1.50

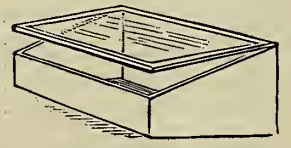
Copper Sheet, wired..20c. doz.; 100, $1.10
Zinc Sheet, wired....20c. doz.; 100, $1.10.
Indelible Marking Pencils.....each, 5c.

GARDEN MARKERS

For labeling perennials, garden rows, beds or individual plants.

Iron Age Style No. 5. These are made of heavy stamped metal, enameled black. The card is covered with a celluloid face, which protects it from the elements of the weather. The angle of this label is so arranged as to make it easily read from an erect position. The holder has a large capacity for cards, so that several years' records may be kept together. Price, 15c. each; per doz., $1.75; $13.00 per 100.

P. P. Weight, each, 1 lb.



MINIATURE HOTBEDS

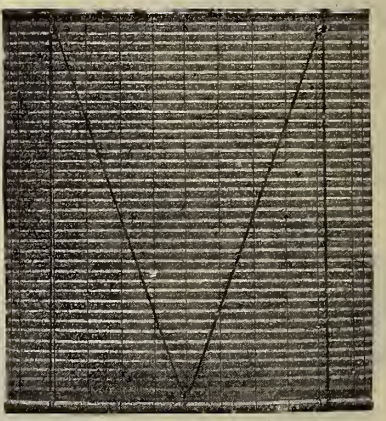
These are very handy to use in connection with window gardening. Suitable for raising seedlings or for rooting cuttings. Seeds started in these will mean an early flower or vegetable garden. 12 x 20 in. $1.35 each. Complete with glass. Not mailable.

For Large Size Hot Bed Sash, Hot Bed Mats, etc., see Page 209.

SHADING OR PROTECTING CLOTH

Largely used as a substitute for glass where protection is desired. It is admirable for summer use, protecting plants, etc., from sun and at the same time allowing ventilation.

	Yds. Per Piece	Price Per Yd.	Price Per Pc.
Light. Brown cloth..	60	$0.06	$3.30
Medium. Brown cloth	60	.10	5.40
" Green cloth	60	.12	6.60
Heavy. Brown cloth.	40	.14	5.20
" Green cloth.	40	.18	6.40



BAMBOO GREENHOUSE SHADES (Painted Green)

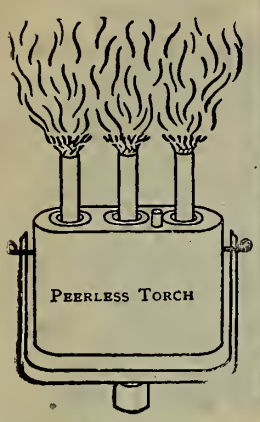
These are much more satisfactory than either the glass shading process or shading cloth. The shades last for years, being substantially made. They add materially to the appearance of the greenhouse. Each shade is equipped with pulley and rope. The shades are placed on the outside of the greenhouse, fastened at the top, so they can be rolled up or let down at will.

	Each
6 feet wide, 8 feet long	$3.00
8 " " 8 " "	3.50
10 " " 8 " "	4.00
10 " " 10 " "	4.50

GRAPE PROTECTING BAGS

If put on during the period when grapes are forming, they will save many times their cost in the amount of fruit they will save from insects, rot, etc. All ready with wire to fasten.

	P. P. Wt. Per 100	100	1000
2 lb. size	1½ lb.	$0.30	$2.75
3 lb. size	1½ lb.	.35	3.25
4 lb. size	1½ lb.	.40	3.75



Asbestos Torch

OIL TORCHES

For burning out worms, caterpillars and nests that infest trees.

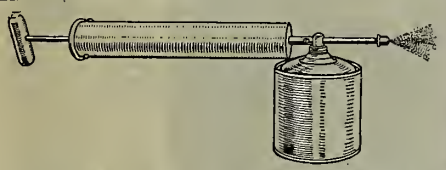
	P. P. Weight	
Peerless.	1 lb.....	$0.50
Reservoir.	½ lb.....	.25
Asbestos.	1 lb.....	.40

Reservoir Torch

POLES FOR TORCHES, Etc.

Hickory wood. 12 feet, 45c.; 14 feet, heavy, 80c.; 16 feet, $1.00. Poles are not mailable.

Bamboo Poles. 18 ft., very strong, used extensively for brushing worm casts off putting greens, etc. Each, 25c.; doz., $2.50; 100, $15.00.



AUTOMATIC COMPRESSED AIR SPRAYER

Parcel Post Weight, 2 lbs.

This is the grandest hand sprayer ever offered, very easily operated, especially desirable for ladies' use.

Tin.....each, $1.00 | Brass....each, $2.00

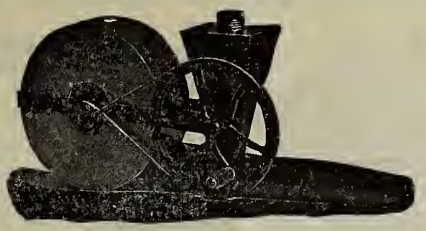
CYCLONE HAND SPRAYERS

Similar to the above except they do not have the automatic air reservoir attachment. *P. P. weight, 1½ lbs.*

No. 112, Tin, large, 50c.; Tin, small, 25c.; No. 114, Brass, $1.00.

PARCEL POST SHIPMENTS

Where goods can be shipped in this manner, we have affixed the packed weight opposite. Where remittance accompanies order please include sufficient to cover mailing charges. Consult your post office for proper amounts.



SULPHUR BLOWER

For distributing sulphur and insecticides of various kinds. Price, $4.50.

FUMIGATORS

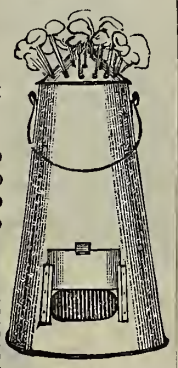
Perfection Make

Fitted with a water tank to prevent burning out.

No.			
1	for house	12x40 ft.	$3.00
2	" "	15x100 ft.	3.50
3	" "	20x100 ft.	4.00
5	" "	20x150 ft.	5.50

Eureka Make

No.			
1	for house	10x20 ft.	$1.25
2	" "	12x40 ft.	1.75
3	" "	15x100 ft.	2.25
4	" "	20x100 ft.	3.25

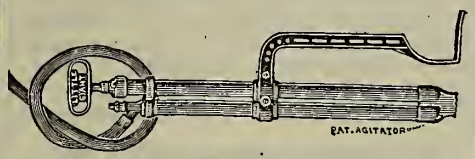


Eureka

Fumigators cannot be mailed.

VAPORIZING LAMP

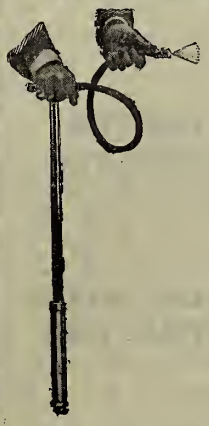
Practical and indestructible, all metal, burns kerosene, used for dispensing fumes of Nicoticide, Tobakine and other preparations of this sort. 50c. each. *P. P. weight, ¾ lbs.*



No. 327½ MYER'S BUCKET PUMP

This is a double brass chamber arrangement, and fills the want of those desiring a medium priced sprayer. Price, $3.00. *P. P. weight, 9 lbs.*

JUNIOR SPRAY PUMP

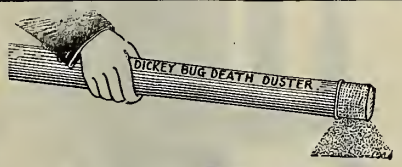


No. 5—For bucket use; the pump works on a spring device, making compression which discharges the liquid. The most practical bucket pump for one person to use. All brass and excellent value. Just the thing for the man with a small fruit garden, a few greenhouses, or a hen house that needs spraying. Complete with hose and nozzle. Price, $3.00.

PARIS GREEN SHAKERS

Tin. For dusting vegetables, potatoes, small fruits and shrubbery, 50c. each. *P. P. weight, 2 lbs.*

Farmer's Favorite. (See cut.) Large double-action affair, $1.25 each. *P. P. weight, 4 lbs.*



DICKEY DUSTER

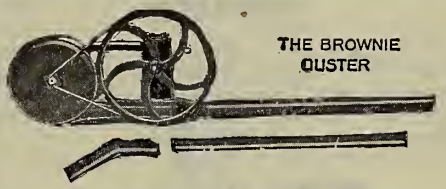
Excellent for distributing Bug Death, Slug Shot, etc. Price, 25c.; *P. P. weight, 1 lb.* **"Acre an Hour"** Sifter, 75c. *P. P. Weight, 2 lbs.*

CHAMPION GUN

This machine will distribute dry insecticides, covering one or two rows at one time. Will save its price in material used in one season.

Price, $8.00

P. P. Wt. 8 lbs.



BROWNIE GUN

This machine is especially intended for distributing Paris Green, London Purple, etc. Price, $4.00. P. P. Wt., 8 lbs.

WOODASON HAND BELLOWS

	P. P. Weight	
Large double cone, each.....	5 lbs.,	$3.00
Large single cone, each.....	3 lbs.,	2.00
Small single cone, each.....	2 lbs.,	1.10
Liquid spraying, small.....	3 lbs.,	1.50
Liquid spraying, large.....	4 lbs.,	2.00
Sulphur Belows, each.....		1.50

WHIRLWIND POWDER GUNS

Very useful for distributing dry powder. Price, 15c.

P. P. Wt., 8 ozs.

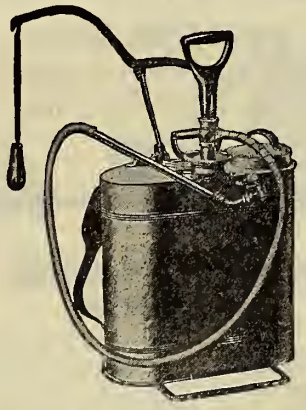
MICHELL'S RELIABLE SPRAYING APPARATUS

THE BIDWELL AIR SPRAYER

The heavy steel tank has a capacity of 5 gallons; the pressure capacity is 45 pounds. Unlike most other sprayers which have to be pumped several times to empty their reservoir, this one will empty the contents with one charge; the pump is independent of the tank and every part can be gotten at. Every piece is brass and copper except the tank hose and washers. The liquid is pumped into the reservoir through the same hose which takes in the air; equipped with a practical air pressure gauge. Fitted with a famous Winkle-Mist nozzle. $10.00.

No. 22 BINKS COMPRESSED AIR SPRAYER

Galvanized steel tank, 5 gallons capacity. Brass pumps with a patent clamping device, equipped with 3 feet of hose, spray nozzle, shut off cock and shoulder strap. *P. P. weight, 15 lbs.* Price, $6.25.



DEMING KNAPSACK SPRAYERS

These are elegant for carrying around the garden, among shrubbery and tree work, etc.

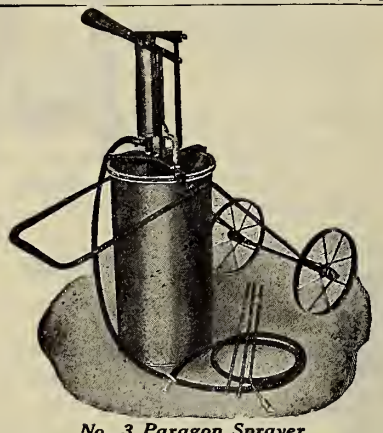
Fig. 675. Copper tank, holding about 5 gals., complete, with pump, nozzle and hose.....$14 50

Fig. 654. Galvanized tank, holding about 5 gal., complete, with pump, nozzle and hose..... 9.50

Deming Knapsack Sprayers are not mailable.

No. 651 GARDENER'S CHOICE SPRAY OUTFIT

Here is an equipment that is easily worth $5.00 more than we ask for it; truly it is the greatest value in spray pumps we have; the reservoir holds 25 gals.; the pump has brass cylinder, and it is a complete equipment with hose and nozzle. Price, $15.50.



No. 3 Paragon Sprayer

THE PARAGON SPRAYER

Especially desirable for the reason that it is not necessary to strain the material before pouring it into the reservoir, although we recommend that this be done; guaranteed to give absolute satisfaction. Excellent for applying whitewash or paint.

Bucket Washers for Paragon Sprayers, 20c.

No. 0—Equipped with a 3-gal. reservoir, 4 ft. of hose, nozzle and extension pipes, Price, $7.50.

No. 1—With a 5-gal. reservoir, 5 ft. of hose and 2 extension pipes, $10.00.

No. 3—Equipped with a 12-gal. tank mounted on a truck, three 2½-ft. extension pipes, 2 nozzles and 10 ft. of hose, $15.00.

No. 4—(see next page)—Mounted on a two-wheel truck; equipped with 10 ft. of extension pipe, 20 ft. of hose, and 2 nozzles. Complete, $22.50.

Paragon sprayers are not mailable.

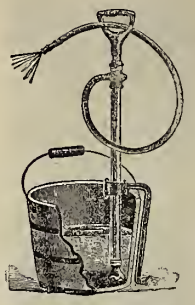
COPPER STRAINER

For straining whitewash, spraying material, etc. $1.00 each. *P. P. Wt., ¾ lb.*

KANT KLOG SPRAYERS

Brass .....P. P. Wt., 9 lbs., $6.50

Galvanized Steel ..P. P. Wt., 9 lbs., 5.00



Success Pump

BUCKET SPRAY PUMPS

These are made entirely of brass except the foot rest, bucket fastener and hand grip. The prices below do not include bucket, but include nozzle and 3½ feet of ⅜ in. hose.

No. 256. Success (without bucket fastener) $3.85 *P. P. Wt., 7 lbs.*

No. 689. Perfect Success (with bucket fastener), $4.35. *P. P. Wt., 9 lbs.*

THE AUTO SPRAY

Auto Spray in operation

It operates with compressed air; safe and efficient; liquid capacity, 4 gallons; pressure capacity, 40 lbs. The Brown Auto - Spray is probably the first real successful Compressed Air Sprayer ever put on the market. Previous to its introduction there were other makes, some of them still being offered for sale. We have had a wide and varied experience with the different ones, and after personal tests and noting the experiences of our customers, finally adopted as our standard compressed air sprayer this make. No sprayer is sold under broader guarantee for efficiency and durability. The Auto-Spray must please and will accomplish all that any first-class sprayer will or the purchase price will be refunded. They will successfully spray bushes, shrubbery and trees, the latter with the use of extension pipes. The brass tank sprayer is the best, as corrosive solutions can be used in it without injuring the same. Auto-Sprayers are not mailable.

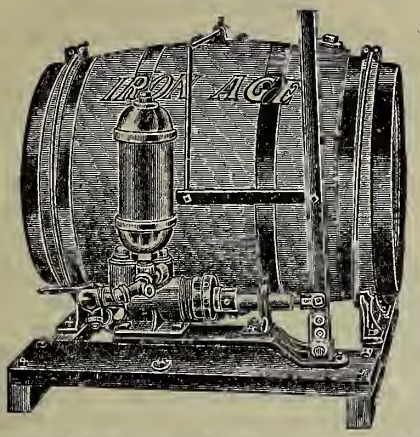
No. 1-A **Brass** equipped with hose and regular nozzle, $6.75.

No. 1-B **Brass** equipped with hose and Auto-Pop Attachment, $7 25.

No. 1-C **Galvanized Iron** equipped with hose and regular nozzle, $4.50.

1-D **Galvanized Iron** equipped with hose and Auto-Pop, $5.00.

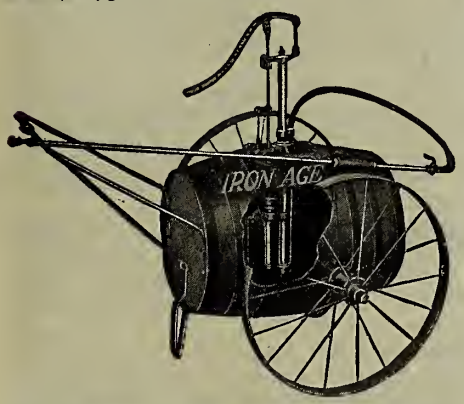
Auto-Pop Nozzle Attachment controls the flow instantly by a pressure of the hand. When Auto-Pop Attachment is purchased separately, $1.50 each. *P. P. weight, 1 lb.*



IRON AGE SPRAYER NO. 190

This is an ideal equipment to mount on a flat wagon, cart or sled. It is complete in every detail. Equipped with a 50-gal. barrel, large air chamber with a pressure capacity of 125 lbs., automatic agitator, brass bronze ball valves, woven hemp packing, which is easily replaced. No leather or rubber to give trouble. All working parts of the pump are outside, can be gotten at easily.

Price, no hose or nozzle, $20.00; with 15 ft. ½-in. hose, 1 nozzle, $23.00; equipped with 2 15-ft. lengths of ½-in. hose, 2 nozzles, $26.75.



IRON AGE SPRAYER NO. 197

A perfect outfit for gardens, small farms, poultry, plants, etc.; capacity, 20 gals. Pump all brass with a 6-inch stroke, large air chamber with a 100-lb. pressure capacity; bronze brass ball valves of easy access. Equipped with a perfect agitator, 4 feet of extension rod with hand grip and 4 feet of ½ in. hose, stop cock and nozzle. $16.50.

EXTENSION PIPES, Etc.

For reaching into trees, ⅜-inch threads.

Bamboo, with brass tube, 8 ft. $2.00
" " " " 10 ft. 2.50
Galv. Iron, 2 ft., P. P. weight, 6 ozs.. .30
Brass, 2 ft., P. P. weight, 8 ozs..... .45
Pet Cock, for extension pipes..... .40

Iron Age. Fig. 419—Steel pipe 10 ft. long, with an angle connection, stop cock, 2 hand grips and drip guard, for ½-in. thread. Price, $2.90.

Iron Age. Fig. 420—Bamboo casing with brass pipe inside, with angle connection, stop cock, 2 hand grips and drip guard, 10 ft. long for ½ in. thread. Price, $4.00.

Paragon Extensions, 2½ ft., 30c. each. Parcel post weight, 12 ozs.

IRON AGE SPRAYER NO. 194

For the small orchard, farm or garden, can be attached instantly to any barrel. The pump and all working parts except agitator and suction pipe are on the outside. The latter is equipped with a bronze ball valve, which adds to its power and efficiency; packing, woven hemp, easily replaced. A pressure of 125 pounds can be maintained.

Price, without barrel hose or nozzle, $10.00. Price, with 15 ft. ½-in. hose, nozzle, no barrel, $14.50. Price, with barrel, 15 ft. ½-in. hose and nozzle, $18.25.

NO. 194 T I. A. SPRAYER

The equipment above with a 2½-in. iron tire wheel-truck and barrel, without hose or nozzle, $22.75, or $26.25 with 15 ft. hose and nozzle.

IRON AGE SPRAYER NO. 195

This is really a duplicate of pump No. 197, described in the opposite column, except that it is adapted or equipped for bucket use. The pump is securely fastened to a cedar bucket of 16 qts. capacity, nicely painted. The equipment can be picked up and easily moved from place to place. Equipped with a 2-ft. extension rod, a Vermorel nozzle with an extra solid stream cap and 4 ft. ½-in. hose. Price, $8.00.

LEWIS' SHEET BRASS SYRINGE

Capacity about 1 quart, $1.75.
Parcel post weight, 2½ lbs.

HEAVY BRASS SYRINGES

Will last many years with a little care.

No.	Diam.	Length		Parcel Post Weight	Price
99—	1½"	18"	1 spray.....	1¾ lbs.	$2.50
101—	1¼"	14"	2 sprays.....	2 lbs.	2.00
101—	1½"	16"	2 sprays.....	2¼ lbs.	3.25
104—	1¾"	18"	2 sprays.....	4½ lbs.	5.50
107—	1¾"	20"	(Adjustable)	5 lbs.	5.00

SPRAY NOZZLES (⅜ in. thread)

Bordeaux and Vermorel, 8 ozs..... $0.75
Mistry, Jr., 5 ozs..... .90
Winkle Mist, 4 ozs..... .75
Paragon style, 4 ozs..... .35
Duplex Vermorel (2 nozzles), 14 ozs.. 1.50
Triple Vermorel (3 nozzles), 16 ozs.. 2.25
Quadruple Vermorel (4 nozzles), 2 lbs. 2.50
Duplex Mistry (2 nozzles), 2 lbs..... 3.00

For ¾-in. connections add 25c. to the above nozzle prices.

SIMPLEX PUMP NO. 550

Simplex Pump

One of Deming's very best sprayers. Fitted with brass cylinders. Equipped with an automatic agitator. Will throw a stream 40 feet. **Plain Pump,** no hose, nozzle or barrel. $7.50.

Outfit A—Pump, with 12½ ft. ½-in. hose, fitted with a Bordeaux or Vermorel nozzle and pole connection for reaching into trees, no barrel. $10.65.

Outfit B—Pump, with two 12½-foot sections of ½-in. hose, two Bordeaux or Vermorel nozzles, pole connection, no barrel. Price, $13.80.

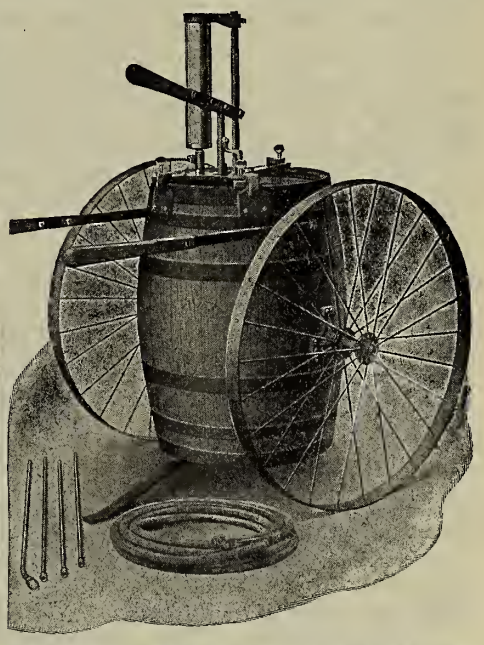
CENTURY PUMP NO. 645

A very powerful pump; working parts are entirely of brass; has large air chamber; also a perfect agitator and a long fulcrum link, which enables the operator to work the pump with little effort.

Price for pump, no barrel or hose, $10.50.

Price, complete, with 12½-ft. ½-in. hose and nozzle, no barrel, $13.65. Price, with two 12½-ft. leads, hose and nozzles, no barrel, $16.80.

Barrels, with cut head, $3.50



NO. 4 PARAGON SPRAYER

Designed for spraying whitewash and water paints in poultry houses and buildings, also for spraying trees and shrubbery. Equipped with 10 feet of extension pipe, 20 feet 6-ply hose and 2 spraying nozzles. Price, complete as in cut, $22.50, or with 28 gal. barrel, but no truck, $17.00.

All Iron Age Sprayers, with Hose and Nozzles, are equipped with Nozzle Strainers

Michell's Insect Destroying Preparations

Prices on Insecticides Subject to Market Changes

Ant Exterminator. A powder that is used for distributing around buildings, on the greenhouse benches, on lawns, gardens, and any other places infested by ants. Per ¼ lb., 20c.; per ½ lb., 40c.; 75c. per lb.; 5 lbs., $3.00.

Anti-Pest (*Carmen's*). For destroying red spider, scale and green fly. 50c. qt.; ½ gal., 75c.; $1.40 per gal.; 5 gals., $5.75.

Aphine. For destroying aphis, green fly, thrip, red spider and other greenhouse and outdoor insects. It dilutes readily in water about 1 part to 40 of the latter. ¼ pt., 25c.; 40c. per ½ pt.; pt., 65c.; $1.00 per qt.; per gal., $2.50.

Aphis Punk. A paper that has been thoroughly saturated with nicotine. Used for fumigating, giving off dense fumes of nicotine. Excellent for aphis, thrip, white and green fly, also red spider. (For use in greenhouses only.) Per pkg., 60c.; $6.50 per 12 pkgs.

Arsenate of Lead. For spraying trees and shrubs against the attacks of leaf-biting insects of all kinds, especially valuable for spraying to prevent the codling moth. It comes in paste form, and dilutes 1 lb. to 25 gals. water. Per lb., 25c.; 80c. per 5 lbs.; per 10 lbs., $1.50; $3.00 per 25 lbs.; $5.50 per 50 lbs.; per 100 lbs., $10.00.

Arsenate of Lead (Powdered). This form of Arsenate is extensively used. It is instantly soluble in water and a pound thereof goes almost twice as far as two pounds of paste arsenate. Further, you do not have to pay transportation charges on water, which acts as a preservative in paste arsenate. 1 lb. dilutes to 50 gals of water. 35c. per lb.; 5 lbs., $1.50; $2.75 per 10 lbs.; 25 lbs., $6.00; $10.50 per 50 lbs.; 100 lbs., $20.00.

Black Leaf 40. A concentrated solution of nicotine Sulphate, an excellent spray for black aphis sucking insects of all kinds; dilutes 1 part to 900 or 1000 parts of water, according to treatment. Full directions on each package. ½ lb., 75c.; $2.50 per 2 lbs.; 10 lbs., $10.75.

Bordeaux-Arsenate. This is a combination of Arsenate of Lead and Bordeaux Mixture, in nature like Pyrox. Its use combines an application of Fungicide and Insecticide at one time. A pound dissolves with 5 gallons of water. It sticks to the foliage and will not wash off for a long period. 1 lb., 20c.; 80c. per 5 lbs.; 10 lbs., $1.40; $3.25 per 25 lbs.; 50 lbs., $5.50; $10.00 per 100 lbs.

Bordeaux Mixture. Used principally for mildew, blight and fungous diseases that affect potatoes and fruit trees. *Paste Form:* 1 qt., 40c.; $1.00 per gal.; 5 gals., $4.50. One gallon makes 50 gallons material. *Dry Form:* 1 lb., 20c.; 5 lb. pkg. (makes 30 gals.), 70c.; $1.00 per 10-lb. pkg. (makes 50 gals.).

Boro-Wax. For painting trees to destroy and keep away borers. 35c. per qt.; ½ gal., 60c.; per gal., $1.00; $5.00 for 6 gallons.

Bug Death. Largely used instead of Paris Green. It is claimed to have the same effect. The manufacturers say that it acts as a fertilizer as well as an insecticide. It comes in powder form, and is applied pure. Not poisonous to persons. Per lb. 15c.; 35c. per 3 lbs.; per 5 lbs., 50c.; per 12½ lbs., $1.00; $7.50 per 100 lbs. (Special Shaker for Bug Death, 25c.)

Carbolineum (*Arvenarius*). A germicide and disinfectant, also an excellent wood preserver when used as a paint. $1.25 gal.

Copper Solution. Made of sulphate of copper and other materials. Excellent spray for carnation rust and diseases of the grape, pear, apple, and other fruits. A good thing to use for leaf blight and mildew. It is diluted in water. Per qt., 60c.; $1.75 per gallon.

Cow Ease. Excellent for keeping flies and gnats off domestic animals. Applied with a sprayer or a sponge. Per qt., 35c.; $1.00 per gal.; per 5 gals., $4.50.

Cyanide of Potassium. For fumigating. 25c. per ¼ lb.; lb., 50c.

Cut Worm Destroyer (*Reade's*). For killing cut worms, grubs and maggots that work in the soil; positively a sure remedy. 1 lb., 25c.; 10 lbs., $1.25; $2.50 for 25 lbs.; 100 lbs., $7.50

Dalmation or Persian Powder. For ridding buildings of all kinds of various insect pests. Particularly for the smaller and creeping kinds, as it is not strong enough to destroy large or more hardy insects. 15c. per ¼ lb.; per lb., 45c.; $2.00 per 5 lbs.

Death to Lice (*Lambert's*) for plant lice, adhesive to foliage. 5 oz., 10c.; 25c. for 15 oz.

Fir Tree Oil Soap. This is very much like the Fir Tree Oil, except that it is in the shape of soft soap, and many prefer to use it in that way. It is dissolved according to directions in warm or hot water and used as a spray or wash. Per ½ lb., 25c.; 75c. per 2-lb. can.

Fungine. An excellent remedy for fungous diseases of all kinds. 75c. per qt.; per gal. $2.00.

Grape Dust. A powder preparation used for mildew, aphis, black fly, and other insects and fungous diseases, principally in greenhouse. Per 5 lbs., 40c.; 75c. per 10 lbs.; per 25 lbs., $1.75; $6.00 per 100 lbs.

Getz There Soap. Ideal for washing palms and spraying in place of Whale Oil Soap. 2 lbs., 40c.; $1.00 for 8 lbs.; 25 lbs., $2.50.

Hellebore. The ideal material for destroying rose bugs, currant worms, and other soft-shelled insects that infest the garden. It can be applied dry or in liquid form. Per ¼ lb., 10c.; 15c. per ½ lb.; per lb., 25c.; $1.15 per 5 lbs.; per 10 lbs., $2.10.

Hydrocyanic—Acid Gas (Fumigation with Cyanide Potassium) Poison. As given to us by a practical gardener. Put four ounces of water in a galvanized iron pail, add to this 2 oz. of Sulphuric Acid, wrap an ounce of Cyanide of Potassium in paper and place it in the bucket, which should be placed near the door of the greenhouse to afford quick exit; the moment the Cyanide strikes the liquid it generates a poisonous gas which must not be inhaled. The above charge is sufficient for 1000 cubic feet of space. Don't open the greenhouse for at least 12 hours. One of the ventilating sash should be arranged so it can be opened from the outside to allow the fumes to escape entirely before entering. This is claimed to be the only and best remedy to absolutely kill the white fly. It is claimed that it will not injure the most delicate plant, but the user should take great care of himself. **Cyanide of Potassium** (Poison), per ¼ lb., 25c.; 50c. per lb. **Sulphuric Acid,** lb., 30c.

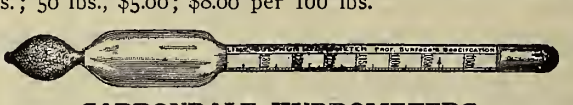
Kerosene Emulsion. Diluted in water this makes an excellent spray for all mild forms of scale, and soft lice of any kind such as infest rose and fruit bushes, vegetables and trees. Liquid dilutes 1 part to 20 parts of water. PASTE: Per lb., 20c.; per 5-lb. can, 75c.; per 25-lb. can, $3.00. LIQUID: Per qt., 40c.; per gal., $1.00; $4.50 per 5 gals.

Kil-o-Scale. Destroys and prevents the spread of scale insects of all kinds. Its chief use is the destruction of the San Jose Scale, which prevails in all parts of this country. It is diluted, one part Kil-o-Scale to twenty parts water. Per pt., 30c.; 50c. per qt.; per ½ gal., 75c.; per gal., $1.25; $5.00 per 5 gals.; per 25 gals., $21.25; per 50 gals., $42.50.

Lemon Oil Co's Insecticide. The best and cheapest insecticide in the market. Used by nearly all the leading growers. It effectually destroys mealy bug, scale, thrip and red spider. Half pt., 25c.; pt., 40c.; qt., 75c.; half gal., $1.25; gal., $2.00; 5-gal. kegs, $9.00; 10-gal. kegs, $17.50.

Lime Sulphur. For destroying San Jose Scale. This is a concentrated form which is diluted 1 gal. to 12 or 15 gals. water, either hot or cold. May be used as a summer or winter spray, excellent to use as a fungicide. 25c. qt.; ½ gal., 45c.; 75c., gal.; 5 gals., $2.25; $3.75 for 10 gals.; 25 gals., $6.00; $9.00 per 50 gals.

Lime Sulphur (*Dry Powder Form*). Powdered Lime Sulphur is becoming very popular on account of the small expense for shipping. It is instantly soluble in either cold or hot water, dilute 1 lb. to 6 gals. of water; does not separate, keeps indefinitely. Lb., 25c.; $1.15 for 5 lbs.; 10 lbs., $1.50; $3.25 for 25 lbs.; 50 lbs., $5.00; $8.00 per 100 lbs.



CARBONDALE HYDROMETERS

These are highly recommended by the Pennsylvania State Department of Agriculture for testing the gravity of Lime Sulphur solution; one should be in the hands of every man who uses this material. Price, $1.00. (Postpaid, $1.10.) With directions.

Nicoticide. Used as a spray or as a vapor, principally in the latter way, it is placed in a tin saucer with lamp underneath, and the nicotine fumes are thus distributed. It is very effective in destroying thrip, aphis, white fly, and red spider, etc. Per ¼ pt., 70c.; per ½ pt., $1.25; per pt., $2.50; per qt., $4.50; $8.25 per ½ gal.; 1 gal., $15.00. (LAMPS for Nicoticide, 50c. each.)

Nicotinana. A nicotine solution for spraying and vaporizing. $1.25 per qt.; per gal., $4.00.

The Price on all Insect Destroyers is subject to change

Michell's Insect Destroying Preparations

Nicotine Cones (*See Vapor Cones*).

Nico-Fume (*Liquid*). This is used in very much the same way as Nicoticide. Per ¼ lb. (about ¼ pt.), 50c.; $1.50 per lb. (about 1 pt.); 4 lbs. (about ½ gal.), $5.50; $10.50, 8 lbs.

Nico-Fume. This is a paper treated with nicotine, giving off dense fumes of strong nicotine when ignited. Preferred by many who do not wish to spray or vaporize. Per box, 24 sheets, 85c.; per 144 sheets, $4.00; per 288 sheets, $7.50.

Nikoteen. One of the milder forms of tobacco or nicotine preparations, usually diluted in water, makes a most satisfactory spray as well as vapor, excellent for pea lice in the garden. ½ oz., 15c.; 40c. for 2 oz.; 8 oz., 75c.; $1.50 per pt.; gal., $10.00.

Paris Green. The chief merit of this article is the destruction of the potato bug. It may be used in liquid form, 1 pound in 50 gallons of water, or with Land Plaster at the rate of 1 pound Paris Green to 100 pounds Land Plaster. 10c. per ¼ lb.; per ½ lb., 15c.; 30c. per lb.; $1.20 per 5 lbs.; per 14 lbs., $3.00.

Pyrox (*Bowker's*). A pasty substance used for all leaf-biting insects. It is really a Bordeaux and Arsenate of Lead combined and is excellent. Dilute 1 lb. to 5 gals. water. 25c. per lb.; 5 lbs.,$1.00; $1.75 per 10 lbs.; 25 lbs., $4.00; 50 lbs., $7.50; $13.50 per 100 lbs.; 300 lbs., $38.00; $60.00 per 500 lbs.

Rat Corn. For destroying rats and mice in greenhouses, hotbeds, etc. 15c., 25c., 50c. and $1.00 per box.

Readeana Rose Bug Exterminator. A poisonous preparation which dilutes in water. Used for destroying rose bugs, green fly, mealy bug, blight, mildew, etc. Will not injure flowers. 4-oz. bottle, 25c.; 8-oz. bottle, 50c.; $1.00 per 24-oz. bottle; per gal., $4.00.

Sulphocide. A summer spray against fungous diseases, one of the best preparations of its kind. 50c. pt.; qt., 75c.; $2.00 per gal.

Scalecide. Used for the destruction of the San Jose Scale. Dilute at the rate of one gallon Scalecide to 20 gallons water. Scalecide does not clog nozzles, hose or pump, and is pleasant to use. 45c. per qt.; per gal., $1.00; $3.25 per 5 gals.; 10 gals., $6.00; $16.00 per 30-gal. bbl.; per 30-gal. jacketed tin, $15.00; $25.00 per 50-gal. bbl.

Scale Destroyer. For San Jose Scale, 1 gal. dilutes to 20 gals. water. Per qt., 35c.; 65c. per ½ gal.; per gal., $1.00; $3.75 per 5 gals.; 10 gals., $7.50; 25-gal. bbl., $12.50; per 50-gal. bbl., $23.00.

Shoo Fly. For keeping flies off cattle and horses, used with a sprayer or a sponge, the cattle and horses are either sprayed or rubbed with the preparation in the morning before being put in the field or out to their day's work. Per qt., 35c.; $1.00 per gal.; 5 gals., $4.50.

Slug Shot. The standard remedy for currant worms, rose slugs, cabbage worms, and almost any soft-shelled insects that infest the vegetable or flower garden. 15c. per canister; per 5 lbs., 30c.; 60c. per 10 lbs.; 25 lbs., $1.50; $2.50 per 50 lbs.; 100 lbs., $5.00 Full bbl. lots (about 250 lbs.), 4½c. per lb., f. o. b. Factory; 4¾c. per lb., f. o. b. Phila.

Sulphate of Copper. For destroying fungous diseases of all kinds, also used in making Bordeaux mixture, and for spraying potato vines in connection with Paris Green. Where used as a Bordeaux mixture it requires four pounds Sulphate of Copper to 6 pounds Lime, which is diluted in 50 gallons of water. Per lb., 15c.; $1.25 per 10 lbs.; 25 lbs., $2.50; $8.50 per 100 lbs.

Sulphur. Used principally in greenhouses for checking mildew. It is also used as a preventive and cure for San Jose Scale when it is used in connection with lime and salt. Per lb., 7c.; 30c. per 5 lbs.; 25 lbs., $1.25; $4.00 per 100 lbs.

Sulphur Candles. For fumigating in sick-rooms, also in conservatories and greenhouses. Large, 20c. each; per doz., $2.00; small, 10c. each; per doz., $1.00.

Thrip Juice (*Hammond's No. 2*). This preparation is very effective against aphis, red spider, mealy bugs and sucking insects generally. 60c. pt.; qt., $1.00; $3.25 per gal.

Thymo Cresol (*Sheep Dip*). This preparation is used for disinfecting, etc.; it is also an excellent cold water sheep dip. Per 4-oz. bottle, 25c.; 40c. per 8-oz. bottle; per pt., 50c.; per qt., 70c; $1.10 per ½ gal.; per gal., $2.00.

Tobacco Dust for dusting only. Excellent for Lettuce and other plants to destroy soft, creeping insects. Per lb., 10c.; 25c. per 5 lbs.; per 10 lbs., 45c.; $1.00 per 25 lbs.; 100 lbs., $3.50.

Tobacco Dust (*Special*). For either fumigating or dusting. A specially prepared article; state which kind is wanted when ordering. 5 lbs., 35c.; 60c. per 10 lbs.; 25 lbs., $1.35; $2.25 per 50 lbs.; 100 lbs., $4.00.

Tobacco Soap (*Sulpho*). A combination of tobacco extract and sulphur, fine for washing and spraying plants; dissolve in warm water. 3-oz. cake, 10c.; 20c. per 8-oz. cake; 10 lbs., $2.50.

Tobacco Stems (*Fresh*). Used principally for fumigating and under benches in greenhouse. They may also be steeped in hot water and used as a spray. Per lb., 5c.; 20c. per 5 lbs.; per bu., 50c.; $1.00 per bbl. bag; per large bale, $2.00; $6.50 per half ton; per ton, $12.00.

To-Bak-Ine Fumigating Paper. Very much like Aphis Punk, which it resembles. It is used in exactly the same way as Aphis Punk. Per package, of 24 sheets, $1.00; $4.50 per 144 sheets; $8.00 per box of 288 sheets.

To-Bak-Ine Liquid. Similar to Nicoticide, except that it comes in two distinct grades—fumigating and spraying; state which is wanted when ordering. Price of either: Per ⅛ pt., 50c.; per ¼ pt., 75c.; $1.35 per ½ pt.; per pt., $2.50; per gal., $17.50.

Tree Tanglefoot. A paste preparation for painting around the trunks of trees, in the form of a band. Caterpillars and other crawling pests cannot get over it. Per lb., 30c.; 3-lb. cans., 85c.; 10-lb. cans., $2.65; $4.80 per 20 lbs.; 40-lb. can, $8.75.

Vaporite. Vaporite is a gray non-poisonous powder which, when it comes into contact with soil, gives off a vapor. This vapor kills all underground insects such as Wireworms, etc. Vaporite is for soil application—not for the leaves of the plant. Vaporite should be uniformly distributed on the surface or in the soil among the insects, so that the gas evolved may destroy them. 1 lb., 15c.; 60c. per 5 lbs.; 10 lbs., 90c.; $2.00 for 25 lbs.; 50 lbs., $3.75; $6.75 per 100 lbs.

Vermine. A soil sterilizer, a germicide. Will destroy worms, maggots, etc. It is usually applied at the time of preparing potting soil. Dilute at the rate of one part to 400 parts of water and thoroughly soak the soil. 40c. per ½ pt.; pt., 65c.; $1.00 per qt.; per gal., $3.00.

Whale or Fish Oil Soap. For mild forms of Scale, and is an excellent summer spray, when something stronger cannot be used, where the San Jose Scale exists. It is nice for washing off Lemon trees, Oleanders, and almost anything that would be infested with a soft-shelled or in fact most any kind of insect. Dissolved in water according to various purposes. Per ½ lb., 10c.; 20c. per lb.; per 5 lbs., 60c.; $1.10 per 10 lbs.; per 25 lbs., $2.00; $6.50 per 100 lbs.

Whale Oil Soap (*Good's Caustic*). Used extensively as a tree spray and as a summer remedy for San Jose Scale, it comes in a soft soap form and is easily dissolved, 1 lb. to 10 gals. water. 20c. per 1-lb. can; 5-lb. can, 75c.; $1.75 per 25-lb. can; 50 lbs., $3.25; $5.00 per 100 lbs. Barrell lots of about 425 lbs., at 4¼c. lb.

Worm Eradicator (*Reade's Electric*). This has been found to effectually destroy worms in greenhouse benches and in potted plants, or for outdoor use in the flower and vegetable garden, or among trees. 4-oz. bottle, 25c.; 8-oz. bottle, 50c.; $1.00 per 24-oz. bottle; $4.00 per gal.; $17.50 per 5 gals.; 10 gals., $35.00.

Worm Destroyer (*For Earth Worms*). This preparation is made in England, where it is being applied to grass plots, putting greens, etc., with great success. It is a powder and is distributed over a given surface and soaked with water, which causes the worms to come to the surface, where they may be scooped up readily and further destroyed. It acts as a fertilizer as well as a worm destroyer.

Michell's Brand. 1 lb., 10c.; 45c. for 5 lbs.; 10 lbs., 75c.; $1.50 per 25 lbs.; 50 lbs., $2.50; $4.00 for 112 lbs.; 560 lbs., $16.00; $30.00 for 1120 lbs.; 2240 lbs., $57.00.

Carter's Brand. In 100-lb. bags only. $5.00 per 100 lbs.; 500 lbs., $19.00; $37.50 per 1000 lbs.; 2000 lbs., $70.00.

Worm Eradicator (*Radix*). Destroys worms in lawns, on tennis courts and putting greens. 1 gal. makes 100 gals. of treating liquid. $2.00 per gal.; per 5 gals., $9.25; $37.50 per 25 gals. Powder form: 1 lb., making 30 gallons of liquid, 60c. per lb.; per 25 lbs., $12.50; $22.50 per 50 lbs.; per 100 lbs., $40.00.

Vapor Cones (*Lethorion Nicotine*). An English invention providing nicotine in a solid form. The ideal fumigant for either large greenhouse or small conservatory. No. 1 will fumigate 1000 cubic feet, 20c. each, doz. $2.00; No. 2 will fumigate 1500 cubic feet, 30c. each, doz. $3.00; No. 3 will fumigate 2500 cubic feet, 40c. each, doz. $4.25.

Zenoleum. A germicide and disinfectant. Liquid, ½ pt., 25c.; 50c. qt.; ½ gal., 90c.; $1.50 gal. Powder, 25c. per 12-oz. pkg.

MICHELL'S HIGH GRADE FERTILIZERS

All Prices on Fertilizers Subject to Market Changes

Acid Phosphate. (*See Phosphate.*)

Animal Bone and Potash. An ideal fertilizer for almost any farm or garden crop. Apply at the rate of 400 to 600 lbs. per acre. Per 200-lb. bag, $3.25;; $14.00 per ½ ton; ton, $27.00.

Ashes (*Canadian Hard Wood*). Apply 1000 lbs. per acre. For top dressing lawn and grass fields, it is applied to best advantage either in very early spring or late fall. 5 lbs., 20c.; 35c. per 10 lbs.; 25 lbs., 60c.; $1.00 per 50 lbs.; 100 lbs., $1.50; $2.75 per 200-lb. barrel; 1000 lbs., $11.50; $22.00 per ton.

Asparagus Fertilizer (*Pure Bone and Potash*). A mixture that promotes the root and top growth. Apply 600 lbs. per acre. 85c. per 25 lbs.; 50 lbs., $1.25; $2.25 per 100 lbs.; 200 lbs., $4.25; $37.50 per ton.

Basic Slag. (*See Phosphate.*)

Blood, Bone and Potash (*or "Potash and Truck Special"*). The finest fertilizer for the truck patch or garden, combines every element of fertilizer; valuable for all vegetable crops, grass, gain or flowers. Note the high analysis: 7% av. phos. acid, 3½% ammonia, 7% potash. Per 100 lbs., $2.50; $4.50 per 200 lbs.; per ½ ton, $19.00; $37.00 per ton.

Blood (*Dried*). For indoor culture of flowering plants, like roses, carnations, etc., its chief element being nitrogen. 5 lbs., 30c.; 50c. per 10 lbs.; 25 lbs., $1.25; $2.00 per 50 lbs.; 100 lbs., $3.75; $6.75 per 200 lbs.

Blood Flour. Apply 200 lbs. per acre. Much like dried blood except that it is finer and acts almost instantly. 5 lbs., 50c.; 85c. per 10 lbs.; 25 lbs., $1.50; $2.75 per 50 lbs.; 100 lbs., $5.00; $9.50 per 200 lbs.

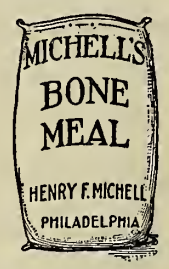
Bon Arbor. A concentrated chemical fertilizer similar to Bonora but less expensive; used in liquid form according to directions on the packages. 1 gal., $2.00; $9.25 per 5 gals. In powder form, dilutes 1 lb. of powder to 30 gallons of water. ½-lb. can, 30c.; per 1 lb., 50c.; $1.80 per 5 lbs.; 50 lbs., at 25c. per lb.; 100 lbs., at 20c. per lb.; bbls. (200 to 250 lbs.), 18c. per lb.

Bone (*Coarse Cracked*). ¼ to ½ size. This is particularly used for fruit trees, grape vines, etc.; apply at the rate of from 3 to 5 lbs., at the base of each vine or tree, and work it into the soil. Per 200 lbs., $6.00; $25.00 per ½ ton; per ton, $47.50.

Bone (*Coarse Ground*). Apply 600 to 800 lbs. per acre. Prepared from raw bones, exactly like bone meal except that it is not so fine, or quick in action; is used for the same purposes. 5 lbs., 25c.; 40c. per 10 lbs.; 25 lbs., 85c.; $1.50 per 50 lbs.; 100 lbs., $2.50; $4.50 per 200 lbs.; per ton, $38.00.

Bone Flour. Apply 600 lbs. per acre. Very fine, like dust, effective almost immediately; can be used for indoor or outdor purposes. 5 lbs., 30c.; 45c. per 10 lbs.; 25 lbs., $1.00; $1.50 per 50 lbs.; 100 lbs., $2.50; $4.50 per 200 lbs.; ton, $40.00.

Bone Flour (*Superfine Grade*). Effective immediately; excellent for roses, chrysanthemums, etc., in 100-lb. bags only. Per bag, $3.00; 2 bags for $5.50.



Bone Meal (Fine Ground). Apply 600 to 800 lbs. per acre. Made from raw bone, without any addition of materials. Extensively used for lawns, greenhouse and in any case where a moderately slow stimulant fertilizer is wanted. 3 lbs., 15c.; 25c. for 5 lbs.; 10 lbs., 40c.; 75c. per 25 lbs.; 50 lbs., $1.25; $2.00 per 100 lbs.; 200 lbs., $3.75; $33.00 per ton.

Bone Meal (*Michell's Special Grade*). We have been fortunate in locating a source from which we could get an unusual high grade of Bone Meal. By contracting for the entire output, the manufacturer agreed to let us have it. It is unusually rich in nitrogen and phosphoric acid, the two principal plant foods. We recommend this especially for lawns, gardens and greenhouses, or any purpose where a high-class fertilizer counts. Always specify Michell's Special Grade when ordering. 100 lbs., $2.25; $4.00 per 200 lbs.; ton, $35.00.

Bonora. Directions for use are on each package. It may be used in either dry or liquid form; excellent for greenhouse and pot plants or vegetable forcing. 25c per trial pkg (by mail, 30c.); 50c. per lb.; $2.50 per 5 lbs. If wanted by mail allow for postage.

Chrysanthemum Manure (*Thomson's Special*). Especially recommended and used by the leading private gardeners of England and America. Very highly concentrated. Can be used in liquid and in dry form. Per 28-lb. sack, $4.50; $7.50 per 56-lb. sack.

Clay's Fertilizer. An English chemical fertilizer, for forcing greenhouse plants and vegetables. It can be used in either dry or liquid form. 15c. per lb.; 5 lbs., 60c.; $1.10 per 10 lbs.; 28 lbs., $2.00; $3.50 per 56 lbs; 112 lbs., $6.50.

Climax Lawn Sand. An unique combination of carefully dried and finely ground chemicals. Destroys weeds in lawns, 3½-lb. can, 40c.; 7-lb. can, 75c.; 14-lb. can, $1.25; 28-lb. pkg., $2.00; 56-lb. pkg., $3.50; 112 lbs., $6.00; 560 lbs., $25.00; 1,120 lbs., $45.00.

Copperas (*Sulphate of Iron*). The low cost of this makes it very valuable for field as well as lawn use, it being one of the best articles for the destruction of Canada thistle and other weeds difficult to eradicate. Especially valuable for eradicating dandelion, sorrel, etc. It dilutes 100 lbs. to 52 gallons of water, enough to treat an acre, and is applied with a sprayer. While it destroys weeds it stimulates the grass. 25 lbs., 75c.; 50 lbs., $1.25; 100 lbs., $1.75; 200 lbs., $2.50; 500 lbs., $5.75; 1000 lbs., $11.00.

Cotton Seed Meal. Apply 60 lbs per acre. Exceedingly rich in potash and ammonia, making it excellent for use as a grass and grain fertilizer; for putting greens it is invaluable. 5 lbs., 25c.; 40c. per 10 lbs.; 25 lbs., 85c.; $1.50 per 50 lbs.; 100 lbs., $2.75; $5.00 per 200 lbs.; ton, $40.00.

Cow or Cattle Manure (*Shredded*). One sack of this is equal to one cartload of cow manure, is convenient to handle, making it possible for everyone to get this usually scarce article at all times. 5 lbs., 25c.; 40c. for 10 lbs.; 25 lbs., 75c.; $1.25 per 50 lbs.; $2.00 per 100 lbs.; 500 lbs., $9.00; $16.00 per 1000 lbs.; ton, $30.00.

Cow Manure (*Pulverized*). A fine top dressing for lawns or gardens or in greenhouses; apply 1000 lbs. per acre. In 100-lb. bags only, $2.00; $9.00 per 500 lbs.; ton, $30.00.

Farmo-Germ. A nitrogen-gathering bacteria to be used when planting or sowing leguminous plants, as clover, peas, beans, etc. Garden size bottles, 25c. and 50c.; acre size bottles, $2.00; $6.00 for 5 acre bottles.

Dried Ground Fish. Apply 300 to 400 lbs. per acre. For truck and plant forcing this is recommended. Also used to mix with other fertilizers to increase the ammonia analysis. In 200-lb. sacks only, $6.50; $60.00 per ton.

Guano Peruvian Substitute. Apply 600 lbs. per acre. This has a very high analysis of all necessary plant-food elements and is now extensively used in place of Peruvian Guano, which has become extremely scarce. It is recommended for all farm and vegetable crops. Per 25 lbs., 85c.; $1.50 per 50 lbs.; per 100 lbs., $2.65; $4.50 per 200 lbs.; per ton, $38.50.

Horn Shavings. Used principally for mixing in potting soil, is rich in ammonia; especially valuable in chrysanthemum growing. 10c. per lb.; 5 lbs., 40c.; $1.75 per 25 lbs.; 50 lbs., $2.75.; $5.00 per 100 lbs.

Horse Manure (see Manure, page 223).

Kainit (*Potash Salts*). Apply about 800 to 1000 lbs. per acre. Excellent for potatoes, corn and other grains. On account of European complications we were unable to determine prices when this catalog went to press. However, we will fill orders at lowest prevailing rates.

Land Plaster. Apply about 1000 to 1500 lbs. per acre. For a top dressing on sour and wornout soils, also for mixing with Paris Green 5 lbs., 15c.; 35c. per 25 lbs.; 50 lbs., 60c.; $1.00 per 100 lbs.; 200 lbs., $1.50; $10.00 per ton.

ON PARCEL POST SHIPMENTS

If remittance accompanies order, it should include mailing charges.

MICHELL'S HIGH GRADE FERTILIZERS

Prices on all FERTILIZERS Subject to Market Changes

Lawn Dressing (*Michell's Odorless*). Apply 500 to 600 lbs. per acre. A quick stimulant for lawns and grass lands. 5 lbs., 30c.; 50c. per 10 lbs.; 25 lbs., $1.00; $1.75 per 50 lbs.; 100 lbs., $3.00; $5.00 per 200 lbs.; 1000 lbs., $21.00; $40.00 per ton.

Lawn Sand (*Climax*). A single application is generally all that is needed. Select a bright sunny day, apply at the rate of 3½ lbs. to 150 square feet (a space 10 x 15). It fertilizes the grass, besides destroying the weeds. 3½ lb., 40c.; 75c. for 7 lbs.; 14 lbs., $1.25; $2.00 for 28 lbs.; 56 lbs., $3.50; $6.00 for 112 lbs.

Lime (*Hydrated or Powdered*). This is a very fine article for distributing on grass. It promotes growth, gives the grass a rich color and has a tendency to prevent the growth of weeds. Apply one ton per acre on fields or ½ ton on lawns. Per 100-lb. sack, $1.25; 500 lbs., $4.75; ton, $12.50. Special price in carload lots and f. o. b. factory.

Lime (*Lump or Land*). This is the screenings or forkings from the lime kilns and is extremely valuable for field use. In car lots only; price on application. Apply 2,500 to 3,500 lbs. per acre.

Limestone (*Pulverized*). For applying on sour or wornout soils at the rate of 1 ton per acre. Put up in 100-lb. bags (no smaller quantity sold), $1.00 per bag; 1000 lbs., $6.00; $10.00 per ton. ($6.25 per ton, f. o. b. factory.)

Humus (*Alphano*). An excellent article to incorporate with poor soil in the garden, greenhouse or in potting plants. When used in garden work, the ground should be covered with from ½ to 2 inches of Humus and spaded in. 5 lbs., 15c.; 25c. for 10 lbs.; 25 lbs., 50c.; $1.00 per 100 lbs.; 500 lbs., $4.50; $8.00 per 1000 lbs.; per ton, $15.00. Special price, f. o. b. factory and in carload lots. (*See Page 227.*)

Manure (*Fresh Horse, Stockyard and Cow*). At short notice we can usually supply first-class horse, cow and stockyard manure in carload lots only. Prices quoted on request.

MAPES' CELEBRATED FERTILIZERS. No less than 200-lb. sacks of Mapes' fertilizers are sold.

	F. O. B. Factory 200 lbs.	F. O. B. Factory Ton	F. O. B. Phila. 200 lbs.	F. O. B. Phila. Ton
Potato Manure	$4.20	$39.00	$4.50	$42.00
Corn Manure	3.95	37.00	4.25	40.00
Complete Manure, for general use	4.50	42.00	4.75	45.00
Complete Manure, for average soils	4.45	42.00	4.75	45.00
Complete Manure, for light soils	4.75	46.00	5.00	48.50
Vegetable Manure, for all soils	4.75	46.00	5.00	48.50
Early Vegetable and Truck Manure	4.75	46.00	5.00	48.50

Muriate of Potash. Apply 100 to 150 lbs. per acre, usually with other fertilizers. This must be used with great care, as it is very powerful. Excellent for potatoes, corn, grains, etc. Analysis, equal to 50% actual potash. Owing to European complications we are unable to state prices, will fill orders at lowest quotations.

Nitrate of Soda. Apply 100 to 150 lbs. per acre, mixing with land plaster or other fertilizers to render application more easy. Use only after plants are above ground. If used in liquid form dilute two ozs. to 1 gal. of water and do not apply oftener than twice a week. 1 lb. tin, 15c.; 40c. per 5 lb. tin; 10 lb. bag, 75c.; $1.50 per 25 lb. bag; 50 lb. bag, $2.50; $3.50 per 100 lb.; 200 lb., $6.00; $27.50 per ½ ton; ton, $54.00.

Nitragin. For inoculating Clovers and other legumes of all kinds. When ordering, please state for what crop you desire to use it. Garden size (¼ acre), 50c.; 1 acre size, $2.00; 5 acre size, $9.00.

Plant Food (*Michell's*). A highly concentrated chemical fertilizer for house use. 15c. per 6-oz. pkg.; 4 pkgs. by express (not prepaid), 50c. Allow for postage if wanted by mail.

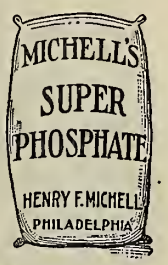
Plant Food (*Bowker's*). Similar to the above in character and purpose, entirely odorless. 4-oz. pkgs., 15c; 12-oz. pkgs., 25c. Allow for postage if wanted by mail.

Phosphate for Corn (*H. G. Potash Mixture*). Apply 500 to 600 lbs. per acre. This contains the necessary ingredients to produce a bumper crop of either field or sugar corn. Per 200 lbs., $3.25; per ½ ton, $13.00; $25.00 per ton.

Phosphate, High-Grade Acid Tennessee or South Carolina Rock. 14%. Apply 1000 lbs. per acre. Used for mixing with other fertilizers to increase the phosphoric acid analysis. In 200-lb. sacks only, $2.00; $14.50 per ton.

Phosphate, Michell's High-Grade Ammoniated. For all vegetable crops, grain, grass, etc. Apply 500 to 600 lbs. per acre broadcast. 5 lbs., 20c.; 35c. per 10 lbs.; 25 lbs., 60c.; $1.00 per 50 lbs.; 100 lbs., $1.75; $3.25 per 200 lbs.; ton, $26.00.

Phosphate (*Thomas' Basic Slag*). Used extensively for top dressing lawn, grass and grain lands; contains the proper elements to produce a rich luxuriant growth; apply 600 to 800 lbs. per acre. $2.50 per 200-lb. bag; per ton, $20.00.



Potato Phosphate (*Michell's Hi-Grade*). Apply 400 to 600 lbs. per acre. The best fertilizer for potatoes, being extremely rich in every ingredient that potatoes thrive on. 25 lbs., 85c.; $1.25 per 50 lbs.; 100 lbs., $2.25; $4.00 per 200 lbs.; ½ ton, $19.00; ton, $36.00.

Potato Manure (*Baugh's*). Apply at the rate of from 400 to 600 lbs. per acre. 25 lbs., 75c.; $1.10 per 50 lbs.; per 100 lbs., $2.00; $3.50 per 200 lbs.; per ton, $30.00.

Poudrette (*Native Guano*). Apply 1000 lbs. per acre. Extensively used for garden, lawns, in making compost and in fact wherever a good, quick acting fertilizer is wanted. It is odorless and easily handled. Poudrette is absolutely harmless to human beings. Applied as a fertilizer to any garden crop. 5 lbs., 20c.; 35c. per 10 lbs.; 25 lbs., 60c.; $1.00 per 50 lbs.; 100 lbs., $1.50; $2.75 per 200 lbs.; 600 lbs., $6.00; $9.50 per 1000 lbs.; per ton, $18.00.

Salt. For agricultural purposes, asparagus beds and putting on walks and roads to kill weeds. Apply 600 to 800 lbs. per acre in early spring. 10 lbs., 20c.; 30c. for 25 lbs.; 50 lbs., 55c.; $1.00 per 100 lbs.; 200 lbs., $1.50; $10.00 per ton.

Sheep Manure (*Wizard Brand*). Apply 1000 lbs. per acre. For garden, lawn or greenhouse use, nothing surpasses sheep manure, it is clean and easily handled, besides giving immediate results. 2 lbs., 15c.; 25c. per 5 lbs.; 10 lbs., 40c.; 75c. per 25 lbs.; 50 lbs., $1.25; $2.00 per 100 lbs.; 500 lbs., $9.00; $16.00 per 1000 lbs.; per ton, $30.00.

Soot (*Imported Scotch*). This is used principally for bringing a good healthy color into the foliage of chrysanthemum and other greenhouse plants. Also destroys insects and grubs that work on and underneath the surface. 10c. lb.; 5 lbs., 35c.; $1.00 per 25 lbs.; 112 lbs., $3.75.

Sulphate of Ammonia. Apply 75 to 100 lbs. per acre only with other fertilizers deficient in nitrogen. This material will stimulate growth almost immediately. Analysis, equal to 25% of ammonia. Owing to European complications, we are unable to state prices; will fill orders at lowest quotations.

Sulphate of Potash. Apply 100 to 125 lbs. per acre, usually with other fertilizers. On account of its great strength it must be used judiciously. Valuable for root and grain crops. Analysis, equal to 50% of actual potash. Owing to European complications, we are unable to state prices; will fill orders at lowest quotations.

Tankage. This is usually applied to plants such as roses, etc., under glass. It is similar to dried blood. 5 lbs., 30c.; 50c. per 10 lbs.; 25 lbs., $1.00; $1.50 per 50 lbs.; 100 lbs., $2.50; $4.00 per 200 lbs.; ton, $36.00.

Thomson's Special Flower, Vegetable and Vine Manure. Imported from England, this excellent chemical fertilizer is extensively used wherever it is desired to force flowers or vegetables. 15c. lb.; 5 lbs., 60c.; $1.10 per 10 lbs.; 28 lbs., $1.75; $3.25 per 56 lbs.; 112 lbs., $6.25.

Tobacco Stems. For fumigating, mulching and fertilizing these are invaluable. The chief fertilizing element in them is the potash. They make an excellent top dressing for lawns in winter. Lb., 5c.; 20c. per 5 lbs.; per bushel, 50c.; $1.00 per barrel sack; large bales, $2.00; $6.50 per ½-ton; ton, $12.00.

Wood Ashes. See Ashes at top of opposite page.

Wheat Fertilizer. Recommended especially for all grass and grain crops. Apply 500 to 600 lbs. per acre. 200 lbs., $3.25; ½ ton, $14.50; $28.00 per ton.

Fertilizers, if desired by parcels post, please include sufficient for postage charges on cash orders (hc)

POULTRY AND ANIMAL FOODS AND TONICS

ALL PRICES SUBJECT TO MARKET CHANGES

Alfalfa Hay (Cut). 5 lbs., 25c.; 40c. for 10 lbs.; 25 lbs., 75c.; $1.35 for 50 lbs.; 100 lbs., $2.50.

Alfalfa Meal. 5 lbs., 25c.; 40c. per 10 lbs.; 25 lbs., 75c.; $1.35 per 50 lbs.; 100 lbs., $2.50.

Animal Meal (*Bowker's*). 5 lbs., 20c.; 40c. per 10 lbs.; 75c. for 25 lbs.; 50 lbs., $1.40; $2.75 per 100 lbs.; 500 lbs., $11.25.

Animal Regulator (*Pratt's*). 25c. and 50c. pkg.

Barley. Price, 10c. per quart. (Larger quantity, price on application.)

Bone (Coarse Ground). For feeding grown fowls. 5 lbs., 25c.; 40c. for 10 lbs.; 25 lbs., 75c.; $1.50 per 50 lbs.; 100 lbs., $2.75; $12.50 for 500 lbs.

Bone (Meal and Fine Grade). For feeding chicks and pullets and using in the mash. 5 lbs., 25c.; 40c. per 10 lbs.; 25 lbs., 75c.; 50 lbs., $1.50; 100 lbs., $2.75.

Bran (*Wheat*). For mash, etc. 5 lbs., 20c.; 60c. per 25 lbs.; 100 lbs., $2.00.

Broken Rice. 1 lb., 6c.; 30c. for 5 lbs.; 10 lbs., 55c.; $1.25 for 25 lbs. (Price in large quantities on application.)

Buckwheat. Price, 10c. per quart. (Larger quantity, price on application.)

Cake Meal. 5 lbs., 25c.; 90c. per 25 lbs.; 100 lbs., $3.25.

Calf Meal (*Blatchford's*). $2.00 per 50 lbs.; 100 lbs., $3.75.

Canada Peas. Price, 10c. per quart; per peck, 55c. (Prices on large quantites on application.)

Cat Food (*Spratt's*). Per carton, 25c.

Catnip Balls. 15c. each; doz., $1.50.

Cattle Regulator (*Pratt's*). 5 lbs., 50c.; 75c. for 12 lbs.; 25 lbs., $1.50; $3.00 per 50 lbs.

Charcoal. Two grades, **fine** and **coarse;** state which you wish when ordering. Price: 1 lb., 7c.; 30c. for 5 lbs.; 10 lbs., 45c.; 75c. for 25 lbs.; per 100 lbs., $2.50; $10.00 for 500 lbs.

Chicgrain (*Spratt's*). Per carton, 25c.; 5 lbs., 30c.; 55c per 10 lbs.; 25 lbs., $1.00; $1.75 per 50 lbs.; 100 lbs., $3.25.

Chick Food (Cornless). 5 lbs., 25c.; 45c. for 10 lbs.; 25 lbs., $1.00; $3.00 per 100 lbs.

Chick Food (*Michell's*). 5 lbs., 25c.; 40c. for 10 lbs.; 25 lbs., 90c.; $1.50 for 50 lbs.; $2.75 per 100 lbs.; 500 lbs., $12.50.

Chick Food (*Park and Pollard*). 5 lbs., 25c.; 40c. per 10 lbs.; 25 lbs., 80c.; $1.50 per 50 lbs.; 100 lbs., $2.75.

Chick Food (*Pratt's*). For newly hatched chicks. 1 lb., 10c.; 3 lbs., 25c.; 6½ lbs., 50c. $1.00 per 14 lbs.

Chick Manna. Price: 1 lb., 10c.; 5 lbs., 40c.; 15 lbs., $1.10; 60-lb. case, in bulk, $4.20.

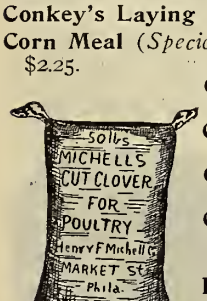
Chick Meal (*Spratt's No. 5*). 25c per carton; 40c. per 5 lbs.; 10 lbs., 70c.; $1.50 per 25 lbs.; 50 lbs., $2.85; $5.50 per 100 lbs.

Climax Condition Powder (*Rust's*). Price: 25c., 50c., $1.00 and $1.50 per package.

Condition Powder (*Sheridan's*). A natural stimulant and persuader for the hen. 15c. package; 2¼-lb. can, 75c.

Conkey's Laying Tonic. 25c. pkg.

Corn Meal (*Special Process*). 5 lbs., 20c.; 65c. 25 lbs.; 100 lbs., $2.25.



Cow Kure. A tonic for cows and heifers. 50c. per can.

Cracked Corn. 4c. per lb.; 5 lbs., 15c.; 30c. for 10 lbs.; 50 lbs., $1.10; $2.00 per 100 lbs.

Crissell (*Spratt's*). 5 lbs., 35c.; 60c. per 10 lbs.; 25 lbs., $1.25; $4.75 per 100 lbs.

Cut Clover Hay. 5 lbs., 25c.; 40c. for 10 lbs.; 25 lbs., 75c.; $1.25 for 50 lbs.; 100 lbs., $2.00; 500 lbs., $9.75.

Developing Food (*Michell's*). 5 lbs., 25c.; 40c. for 10 lbs.; 25 lbs., 75c.; $1.50 per 50 lbs.; 100 lbs., $2.50; $11.25 for 500 lbs.

Dog Cakes (*Spratt's*). 3-lb. pkg. 25c.; 6-lb. pkg., 50c.; 25-lb. box, $1.85; 50-lb. box, $3.50; 100-lb. box, $6.50.

Dog Cakes (*Maltoid Milkbone*). 10c. and 25c. per carton; 10 lbs., 90c.; $2.10 for 25 lbs.; 50 lbs., $3.95; $7.50 per 100 lbs.

Egg Food (*Imperial*). 26-oz. packages, 25c.; 50c. for 60 ozs.

Egg Maker and Chick Grower (*Lee's*). 2½ lbs., 25c.; $2.00 per 25-lb. pail.

Egg Producer (*Rust's*). 1 lb., 25c.; 50c. for 2½ lbs.; 6 lbs., $1.00.

English Salt Cat. Price: 10c. per brick; 60c. for 6; $1.10 per doz.

Fairfield's Poultry Regulator. A general tonic and egg producer. Large size 50c.; small size 25c.

Gluten Meal. 5 lbs., 20c.; 75c. for 25 lbs.; 100 lbs., $2.35.

Grit (*Mica Crystal*). Fine, medium and coarse. 5 lbs., 15c.; 40c. for 25 lbs.; 50 lbs., 60c.; 100 lbs., 85c.; $3.50 per 500 lbs.; ½-ton, $6.50; $12.00 per ton. (*Special Price F. O. B. Factory.*)

Grit (*Red Cross Health*). For pigeons. 5 lbs., 20c.; 35c. for 10 lbs.; 25 lbs., 50c.; 90c. for 50 lbs.; 100 lbs., $1.50, $22.50 per ton.

Ground Oats. 5 lbs., 20c.; 75c. for 25 lbs.; 100 lbs., $2.35.

Growing Food (*Park and Pollard*). 5 lbs., 25c.; 40c. per 10 lbs.; 25 lbs., 75c.; $1.35 per 50 lbs.; 100 lbs., $2.50.

Hemp Seed. 12c. per quart; 50c. per peck; $1.75 per bushel.

Hen-e-Ta Bone Grits. No. 1 for chicks and young fowls. No. 3 for large or grown fowls. 5 lbs., 30c.; 50c. per 10 lbs.; 25 lbs., 75c.; $1.25 per 50 lbs.; 100 lbs, $2.25; $10.75 per 500 lbs.

Hulled Oats. 6c. per lb.; 25c. per 5 lbs. (Prices on larger lots on application.)

Kaffir Corn. 10c. qt. (Price on larger quantities on application.)

Linseed Meal. 10c. per lb.; 45c. per 5 lbs.; $2.00 for 25 lbs.

Mash Food (*Michell's*). 5 lbs., 25c.; 40c. per 10 lbs.; 25 lbs., 75c.; $1.25 per 50 lbs.; 100 lbs., $2.25; $11.00 per 500 lbs.

Mash Food (*Park and Pollard*). 5 lbs., 25c.; 40c. for 10 lbs.; 25 lbs., 75c.; $1.50 per 50 lbs.; 100 lbs., $2.75.

Meat (*Prepared*). Price: 5 lbs., 25c.; 10 lbs., 40c.; 25 lbs., 90c.; 50 lbs., $1.75; 100 lbs., $3.25; 500 lbs., $15.75; half-ton, $30.00; $55.00 per ton.

Middlings. 5 lbs., 20c.; 75c. for 25 lbs.; 100 lbs., $2.25.

Milk Albumen. 5 lbs., 30c.; 55c. per 10 lbs.; 25 lbs., $1.25; $2.00 per 50 lbs.; 100 lbs., $3.50.

Millet (*For Feeding*). 10c. per quart; 4 quarts, 25c.; 40c. per peck; per bushel, $1.30.

Oats. For feeding poultry. 4 qts., 20c.; 30c., peck; bu., 90c.

Oat Meal (*Pin Head*). 5 lbs., 35c.; 65c. for 10 lbs.; 25 lbs., $1.50.; $5.00 per 100 lbs.

Oyster Shell. 5 lbs., 10c.; 30c. for 25 lbs.; 50 lbs., 50c.; 75c. per 100 lbs.; 500 lbs., $3.25; $10.00 per ton.

Pheasant Meal (*Spratt's*). No. 12 Fine; No. 5 Coarse. State which is wanted when ordering. 5 lbs., 40c.; 70c. per 10 lbs.; 25 lbs., $1.50; $2.85 per 50 lbs.; 100 lbs., $5.50

Poultry Food (*Spratt's No. 3*). 5 lbs., 40c.; 70c. for 10 lbs.; 25 lbs., $1.50; $2.85 per 50 lbs.; $5.50 per 100 lbs.

Poultry Powder (*Barker's*). A general condition powder for horses and cattle. Packages, 25c.

Poultry or Scratch Food (*Michell's*). 5 lbs., 20c.; 40c. per 10 lbs.; 25 lbs., 75c.; $1.25 per 50 lbs.; 100 lbs., $2.25; $11.00 per 500 lbs.; 1000 lbs., $21.00; $41.00 per ton.

Poultry or Scratch Food (*Park and Pollard*). 5 lbs., 25c.; 40c. per 10 lbs.; 25 lbs., 75c.; $1.40 per 50 lbs.; 100 lbs., $2.60.

Pratt's Poultry Regulator. Price: 8-oz. packages, 10c.; 26-oz. packages, 25c.; 50c. per 4-lb. package; 12 lbs., $1.25; $2.50 for 25 lbs.; 50 lbs., $5.00; $9.00 per 100 lbs.

Prepared Pigeon Food. 5 lbs., 25c.; 40c. per 10 lbs.; 25 lbs., 90c.; $1.25 per 50 lbs.; 100 lbs., $2.50; $11.75 per 500 lbs.

Puppy Cakes (*Spratt's*). 3-lb. pkg., 30c.; 6-lb. pkg., 60c.; 25-lb. box, $2.00; 50-lb. box, $3.65; 100-lb. box, $7.00.

Puppy Cakes (*Maltoid Milkbone*). 10c. and 25c. per carton; 10 lbs., 90c.; $2.25 per 25 lbs.; 50 lbs., $4.25; $8.00 per 100 lbs.

Scratch or Poultry Food (*Spratt's*) 5 lbs., 25c.; 45c. per 10 lbs.; 25 lbs., 75c.; $1.40 per 50 lbs., 100 lbs., $2.75.

Sunflower Seed. 12c. qt.; 4 qts., 40c.; 75c. peck; bushel, $2.50.

Wheat Screenings. 5 lbs., 20c.; 75c. per 25 lbs.; 100 lbs., $2.25.

LOUSE POWDERS, CURES FOR POULTRY DISEASES, Etc.

LOUSE DESTROYERS, DISINFECTANTS, Etc.

Carbolineum (*Arvenarius*). A poultry house disinfectant, louse and mite destroyer, excellent wood preservative; in gal. cans only, $1.25 per gallon.

Death to Lice (*Lambert's*). 5-oz. size, 10c.; 25c. for 15 ozs.; 48 ozs., 50c.; $1.00 per 100-oz. pkg.

Death to Lice Ointment. 1 oz., 10c.; 25c. per 3-oz. size.

Dog Soap (*Spratt's*). 25c. per cake postpaid (or 20c. over the counter).

Instant Louse Powder. 25c. per can.

Lice Killer (*Lee's*). Liquid. Qt., 35c.; ½ gal., 60c.; gal., $1.00; 5 gals., $4.00.

Lice Killer (*Pratt's*). Liquid. Qt., 35c.; ½ gal., 60c.; gal., $1.00.

Louse Powder (*Lee's*). 1¼-lb. size, 25c.; $2.75 per doz. pkgs.

Louse Powder (*Michell's*). 25c. per carton; $2.50 per doz.

Louse Powder (*Pratt's*). 5 ozs., 10c.; 25c. lb.; 2½ lbs., 50c.

Louse Powder (*Schild's Lightning*). 25c. pkg.

Conkey's Louse Powder. Per large box, 25c.; $2.75 per doz.

Carboletta (*Disinfectant*). Qt., 40c.; 65c. per ½ gal.; 1 gal., $1.00.

Persian Insect Powder. ¼ lb., 15c.; 25c. ½ lb.; lb., 45c.

Pratt's Disinfectant. Destroys disease germs, kills lice, mites and ticks. 35c. per qt.; ½ gal., 60c.; $1.00 per gal.

Rat Corn. For killing rats and mice without poisoning any other animal or bird. 15c., 25c., 50c., $1.00 per box.

Sulphur Candles. Small, 10c.; $1.00 per doz.; large, 20c.; doz., $2.00.

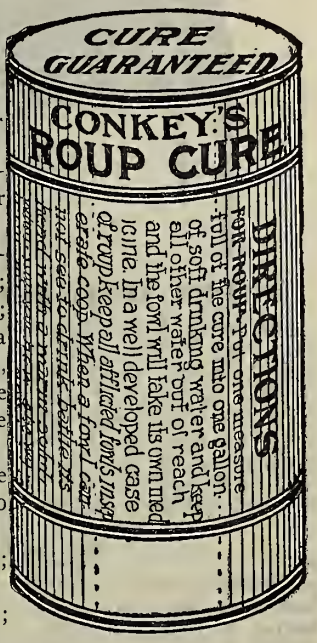
Thymo-Cresol (*Sheep Dip*). 4 ozs., 25c.; 8 ozs., 40c.; qt., 70c.; $1.10 ½ gal.; gal., $2.00.

Tobacco Dust. Lb., 10c.; 25c. for 5 lbs.; 25 lbs., $1.00.

Zenoleum (*Liquid*). ½ pt., 25c.; 50c. qt.; ½ gal., 90c.; $1.50 gal.; $6.25 per 5 gals.

Zenoleum (*Powder*). 25c. per 12 oz. package.

POULTRY AND DOG REMEDIES



Conkey's Chicken Pox Remedy. 25c. per box.

Diarrhoea Cure (*Conkey's*). Valuable for chicks. 25c. and 50c. per box.

Dog Medicines (*Spratt's*). Alterative Cooling Tablets, 50c. per box; Diarrhœa and Dysentery Cure, 50c.; Distemper Tablets, 75c.; Eczema Cure, 50c.; Locurium Ointment, 50c.; Mange Cure, 50c.; Purgative Tablets, 50c.; Puppy Vermifuge Tablets, 50c.

Germathol (*Pratt's*). A germicide and disinfectant. 25c., 50c., $1.50 per bottle.

Gape Cure (*Madoc*). ½ lb., 20c.; 35c. per lb.

Gape Extractors. Hallowell, 10c.; Pilling's, 25c.

Germozone (*Lee's*). Tablets or liquid, 50c.

Noxicide (*Conkey's*). For various poultry diseases. A germicide as well as a preventative of poultry ailments. Per pt., 35c.; 60c. per qt.; per gal., $1.50.

Oculum. For preventing and curing white diarrhœa, roup, etc. 50c. and $1.00 per bottle. Syringe for injecting accompanies each bottle.

Roup Cure (*Conkey's*). Small, 25c.; medium size, 50c.; large, $1 00.

Roup Cure (*F. P. C.*). ½ lb., 20c.; 40c. lb.

Roup Pills (*Rust's*). 50 for 25c.; 112 for 50c.

Roup Tablets (*Pratt's*). 25c., 50c. and $1.00 per package.

Roup Powder (*Pratt's*). 25c., 50c. and $1.00 per package.

Roup Syringe. 10c., postpaid.

Whiting's Roupene. For preventing roup, colds and all other diseases. 50c. and $1.00 per bottle. Syringe for injecting with each bottle.

Whiting's White Diarrhoea Cure. 50c and $1.00 packages.

RECLEANED BIRD SEEDS, Etc.

It pays immensely to buy bird seed from us because it is always fresh; put up every week. We buy the best and then reclean it carefully to remove all impurities. Users will find it the highest grade they ever have had.

	Qt.	Lb.	5 Lb.	10 Lb.	25 Lb.
Ants Eggs	$0.50				
Canary, plain Sicily	.15		$0.70	$1.35	$3.25
" **Mixed** ...	.15		.65	1.25	3.00
Hemp Seed.....	.10		.45	.80	1.75
Millet Seed (Imported)	.08		.20	.35	.65
Rape Seed (German)	.15		.75	1.40	3.50
Unhulled Rice...	.10		.45	.80	1.75

Parrot Food (*Spratt's*). 10c. pkg.; $1.00 doz.

Bird Manna. Keeps Canary Birds in prime condition. Pkg., 15c.

Cuttle Fish Bone. 3c. each; 50c. per lb.

Lettuce Seed. 5c. per oz.; 10c. per ¼ lb.; per lb., 20c.

Maw Seed. ¼ lb., 7c.; 20c. lb.; 5 lbs., 80c.

Song Restorer for Canaries, revives the desire to be lively and sing more lustily. Price, 10c. per bottle; per doz., $1.00.

Vetches or Tares for Pigeon Feeding. 10 lbs., 60c.; $1.25 per 25 lbs.; 100 lbs., $4.75.

SUNFLOWER SEED

We are very large handlers of this important food for parrots. Our customers may depend upon getting a very choice article. 12c. per qt.; 4 qts., 40c.; 80c. per peck; per bushel, 25 lbs., $2.50.

Prices on Bird Seeds are subject to Market Changes. (ha)

INCUBATORS, BROODERS, ETC.

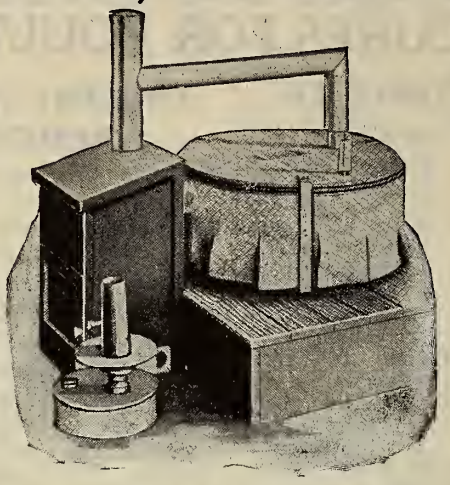
PRAIRIE STATE INCUBATOR

The Series A Incubator is the Sand Tray Type with Nursery Attachment; the Series B is the type without Nursery Attachment, and has an increased egg capacity. In the Series B eliminating the nursery enables the strip space, which heretofore has been left blank in the tray, to be utilized. If the strip or flop-over tray is used in the Series B it reduces the egg capacity about 10 per cent.

No.	Hen Egg Capacity	Duck Egg Capacity	Price
o Diffusive Style.....	100	75	$18.00
Series A, No. 1	150	115	22.50
Series A, No. 2	240	200	32.00
Series A, No. 3	390	300	38.00
Series B, No. 2	200	160	27.00
Series B, No. 3	300	240	35.00
Series B, No. 4	400	320	40.00
o Keystone style.....	60	40	9.00
1 " "	100	75	12.00

GEM HOT WATER INCUBATOR

50 Egg capacity $6.00



THE UNIVERSAL HOVER

The name implies correctly what the Hover is. It can be attached to any old box, piano case or a brooder you may be using at the present time. Just the thing for one who wants the least expensive but at the same time most efficient brooding device. For equipping large or commercial poultry plants these are invaluable.

With lamp box, complete without regulator, $7.00. Without lamp box, complete without regulator, $6.00.

Heat Regulator for Hovers, $1.00 each.
Parcel Post Weight, 3 lbs.

Prairie State Portable Hover, with heat regulator, $8.50.

PRAIRIE STATE COLONY BROODERS

No. 1—3 feet wide, 6 feet long, 3 feet high in front, 2 feet high in back (without heat regulator).....$20.00

No. 2—2½ feet wide, 5 feet long, 2½ feet high in front, 20 inches high in back (without heat regulator)..... 16.00

No. 3—27 inches wide, 4 feet high, 28 inches high in front, 19 inches high in back (without heat regulator).. 12.00

INTERNATIONAL SANITARY HOVER

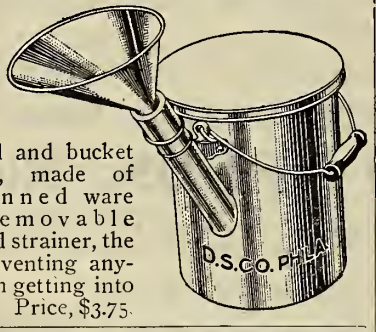
It can be transported with ease from place to place. It is metal throughout, and is therefore vermin-proof as well as fire-proof. Unlike the wooden hover, it will not absorb dirt and hold it. It cannot be burned nor broken and cannot warp and fall apart. It provides overhead heat so chicks cannot crowd. Provides nearly 200 square inches more hovering space than any other hover made. It will not only raise more chicks than any other Brooding device, but will raise also the winter supply of sprouted oats. Price, $8.50.

ARTICLES FOR THE STABLE AND DAIRY

WATER PAILS

Heavy Galvanized Iron, 12 qt., 35c.
White Cedar, 12 qt. capacity, 75c.
J. I. C. Extra heavy; white cedar, 16 qts., $1.00.

PERFECT MILKING PAIL



A stool and bucket combined, made of heavy tinned ware with a removable cover and strainer, the latter preventing anything from getting into the milk. Price, $3.75.

CALF WEANERS

Easily attached, cannot harm either the calf or the cow.

No. 1, for calf under one year, 35c. *P. P. Wt., 4 ozs.*

No. 2, for calf over one year, 50c. *P. P. Wt., 6 ozs.*

No. 3, for cows, 75c. *P. P. Wt., 10 ozs.*

RICHMOND BUTTER CHURNS

First quality white cedar, carefully finished, easily cleaned.

No.	
1	3 gals $2.00
2	4 " 2.40
3	7 " 3.00

BUTTER PAPER

In packages of 1000 sheets only.

6 x 8 inches ...$0.50	7 x 9 inches ...$0.65
6 x 9 inches ... .55	8 x 11 inches .. .85

P. P. Weight, per 1000 sheets, 5 lbs.

BULL RINGS

Made of copper, working on a screw hinge, complete with screw fastener as shown. Price, 35c. *P. P. Weight, 4 ozs.*

BUTTER COLORING

Harmless and guaranteed under the Pure Food and Drugs Act; 25c., 50c. and $1.00 per bottle; per gal., $2.25. Not mailable.

SALT BRICKS

For Dairy Cows, Horses and other animals. This is an essential to general good health in stables among horses and cattle, fastened on the wall, it is accessible at all times and remains clean. Per brick, 25c.; $2.25 per doz. *P. P. Weight, each, 5 lbs.*

Salt Brick Holders. 35c. each; $3.25 doz. *Parcel Post Weight, each, 3 lbs.*

SPECIAL NOTE.

We publish a Catalog on Poultry Supplies which is free on application; also ask for a Prairie State Catalog on Incubators and Brooders.

ALPHANO HUMUS (POOR SOIL RENOVATOR FOR LAWNS, GARDENS, PUTTING GREENS, FLOWER BEDS, ETC.)

You can have a Conservatory like this if you use Alphano Humus

This article is prepared from deposits of decayed vegetable matter, taken from the bottom of an abandoned dried lake. It has been successfully used for several years and has proven to be worthy of extensive use. It is desirable for greenhouse, lawn, golf grounds, vegetable and flower garden work. Humus in some form is the most essential element of plant life. It is rich in Ammonia, Phosphoric Acid, Potash and Lime and shows an analysis of between 77 and 80 per cent of Humus. For lawns it is applied as a top dressing from ½ to 1 inch in depth, which should be then worked in.

If grass seed is to be sown, then is the time to apply it. On golf links it is used in a similar way.

For Flower and Vegetable garden, apply at rate of ½ to 2 inches deep and fork it well in the soil, or apply it in trenches, the same as you would well-rotted manure. For pot plants mix about ⅓ of the Humus with ⅔ of regular potting soil. A ton of Humus is equal to about 2 cubic yards. The smallest quantity sold is 100 lbs. Prices f. o. b. Philadelphia, $1.00 per 100-lb. bag; 500 lbs., $4.50; $8.00 per 1000 lbs.; per ton, $15.00. Prices f. o. b. Alphano, N. J., 500 lbs., $4.00; $7.00 for 1000 lbs.; 2000 lbs. (1 ton), $13.00. Carload lots in 100-lb. bags, minimum car 20 tons, $10.00 per ton. Carload lots in bulk, minimum car 30 tons, $8.00 per ton.

MICHELL'S SPECIAL ANT EXTERMINATOR

(Especially for Putting Greens)

Ants are as troublesome as worms and are more destructive, as they undermine the sod, separating the grass roots from the subsoil and causing the turf to die. A few applications of our ant exterminator, applied as follows, will bring results. Place as much of the exterminator as will go on the end of a teaspoon, and drop into the ant hills; don't disturb the latter until the next day, when they can be brushed away; should any more hills appear, make another application. Use only on a dry morning, while ants are working. 20c. per ¼ lb.; ½ lb., 40c.; 75c. per lb.; $3.00 for 5 lbs.; 10 lbs., $5.50.

Watering in Earth Worm Destroyer

You can gather worms by the barrow load, if you use Michell's Earth Worm Destroyer.

EARTH WORM DESTROYER

For lawns, putting greens, grass tennis courts, etc.

This preparation can be used effectively on lawns and putting greens, since it combines a worm destroyer and fertilizer, thus improves the grass. A mild day should be selected for its use, when the soil is moist and the worms are active. The turf to be treated should first be saturated with water by means of the hose or otherwise. Apply the worm destroyer broadcast by hand at the rate of one-half pound to the square yard, again apply water liberally, to soak in the preparation. Worms will immediately come to the surface and die and they can be swept together. The preparation must not be used during frosty weather, and only when the worms are working near the surface.

***Michell's Brand.** 1 lb., 10c.; 45c. for 5 lbs.; 10 lbs., 75c.; $1.50 for 25 lbs.; 50 lbs., $2.50; $4.00 for 112 lbs.; 560 lbs., $16.00; $30.00 for 1120 lbs.; 2240 lbs., $57.00.

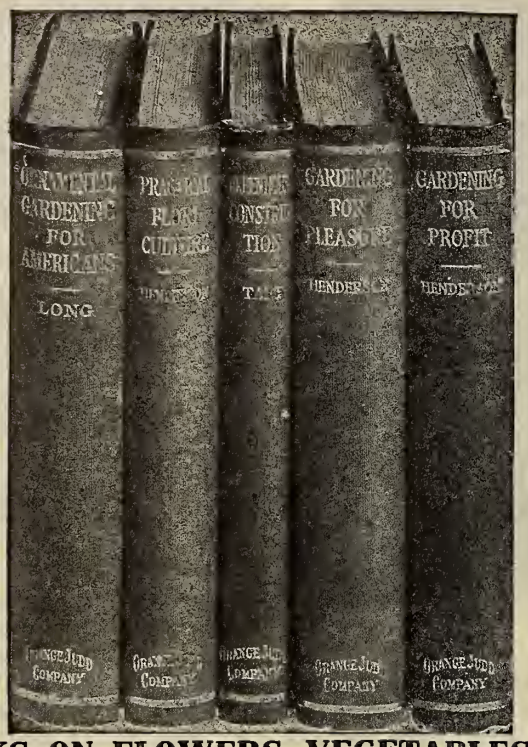
Carter's Brand. In 100-lb. bags only, $5.00; $19.00 for 500 lbs.; 1000 lbs., $37.50; $70.00 for 2000 lbs.

* This is made after an English formula in Great Britain, and extensive trials have shown it to be very effective, being used in the same manner as Carter's.

We can also supply Reade's Worm Killer and "Radix" Worm Eradicator.

MICHELL'S BOOKS On AGRICULTURE, HORTICULTURE, POULTRY AND MATTERS PERTAINING THERETO

(Mailed Postpaid at prices quoted)



BOOKS ON FLOWERS, VEGETABLES, Etc.

Alfalfa Growing (F. D. Coburn) $0.50
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Amateur's Practical Garden-Book. Contains directions for the growing of the things about the house and garden 1.00
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Encyclopedia of American Horticulture (Bailey) 6 vols..36.00
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Flowers, How to Grow Them (Rexford)..... .50
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Reliable Poultry Remedies..... .25
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Minorcas (Northrup) ..... .50
Wyandottes (McGrew) 1.00

We can also furnish any other books (horticultural or agricultural publications) not mentioned here that might be desired (hc)

TARGET BRAND PRODUCTS

Under this trade-mark are manufactured various brands of Horticultural and Agricultural Insecticides and Preparations. Our experience with them covers a period of almost ten years, during which time we have had occasion to try them out in every possible way. They are considered the best in their class, and are used and indorsed by up-to-date fruit-growers and agriculturists everywhere.

FOR PERFECT FRUIT

Target Brand Scale Destroyer

Not mailable

It is an oil which is instantly soluble in water, and passes through any spray-pump nozzle without clogging. It is economical, quickly prepared, easily applied, and does its work rapidly and effectively. Indorsed and recommended by fruit-growers everywhere.

One gallon makes twenty gallons of solution ready to apply. For use on dormant trees only (while the leaves are off during fall, winter and spring).

Target Brand Scale Destroyer costs 35 cts. per qt., 65 cts. per half gal., $1 per gal., $3.75 for 5 gals., $7.50 for 10 gals., $12.50 for 25-gal. barrel, $23 for 50-gal. barrel.

Lime-Sulphur (Liquid)

Not mailable

This is now extensively used for spraying against scale; desirable for peach trees and other stone fruits. It is a fungicide as well as scale-destroyer, and is highly effective. Dilute for dormant trees one gallon to twelve gallons of water, either hot or cold. Mixes instantly and does not separate.

Qt. 25 cts., ½ gal. 45 cts., gal. 75 cts., 5 gals. $2.25, 10 gals. $3.75, 25 gals. $6, 50 gals. $9.

Target Brand Arsenate of Lead (Paste)

For spraying trees and shrubs against the attacks of leaf-biting insects of all kinds; especially valuable for spraying to destroy the codling-moth. It comes in paste form, and dilutes one pound to 25 gallons of water. If apples, pears, quinces, peaches and stone fruits are sprayed with this after the blossoms fall and during the period the fruit is developing, there is a marked absence of rot, wormy fruit and other blemishes. **Lb. 25 cts.; 80 cts. for 5 lbs.; 10 lbs. $1.50; $3 for 25 lbs.; 50 lbs. $5.50; $10 per 100 lbs. Allow postage if wanted by Parcel Post.**

Target Brand Bordeaux-Arsenate

This is a combination of bordeaux mixture and arsenate of lead, in nature like Pyrox. Its use combines an application of fungicide and insecticide at one time. It is the ideal preparation to use at intervals while the fruit is developing on trees such as apples, stone fruits, etc. Where this is used intelligently, 100 per cent quality fruit will be the rule oftener than the exception. We cannot recommend it too highly. A pound dissolves in five gallons of water. It sticks to the foliage and will not wash off for a long period. **Lb. 20 cts.; 80 cts. for 5 lbs.; 10 lbs. $1.40; $3.25 for 25 lbs.; 50 lbs. $5.50; $10 for 100 lbs. Allow postage, at your zone rate, if wanted by Parcel Post.**

See also pages 220 and 221 for a complete line of Insecticides

TARGET BRAND WEED KILLER

Not mailable

Liquid Weed Killer can effectually be distributed with a watering-can or in a sprinkling-wagon.

An effective combination of high-grade chemicals which, diluted in water at one to fifty, destroys the roots as well as the tops of all weeds and vegetation to which it is applied.

One gallon diluted with fifty gallons of water is sufficient to cover 100 to 150 square yards; and one or two applications are sufficient for an entire season. Does not injure marble, cement or fencing. The best time for applying is just after a rain.

Prices of Target Brand Weed Killer

Qt. (makes 51 qts.)	**$0 45**	**10-gal.can** (makes 510 gals.)	**$9 50**
½gal. (makes 25½ gals.)	**65**	**25-gal. can** (makes 1,275 gals.)	**20 00**
1 gal. (makes 51 gals.)	**1 15**	**50-gal. barrel** (2,550 gals.)	**37 50**
5-gal. can (makes 255 gals.)	**5 00**		

A good Spray Apparatus is as essential for effectiveness as the material itself. On pages 218 and 219 will be found an up-to-date list and descriptions of spraying machinery.

HENRY F. MICHELL CO., 518 Market St., Philadelphia

MICHELL'S GRASS SEEDS

MAKE FINE LAWNS
IN 4 TO 6 WEEKS TIME

MICHELL'S
GOLF COURSE GRASS SEED
$ 4.50 PER BUSHEL

MICHELL'S SHADED
LAWN SEED
$1.25 PER PECK
$5.00 PER BUSHEL

MICHELL'S EVERGREEN
LAWN SEED
$1.00 PER PECK
$4.00 PER BUSHEL (20 LBS.)

MICHELL'S
PERMANENT PASTURE
GRASS SEED
$3.00 PER BUSHEL

HENRY F. MICHELL CO.
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